

ATTACHMENT A

EXISTING SYSTEM ANALYSIS

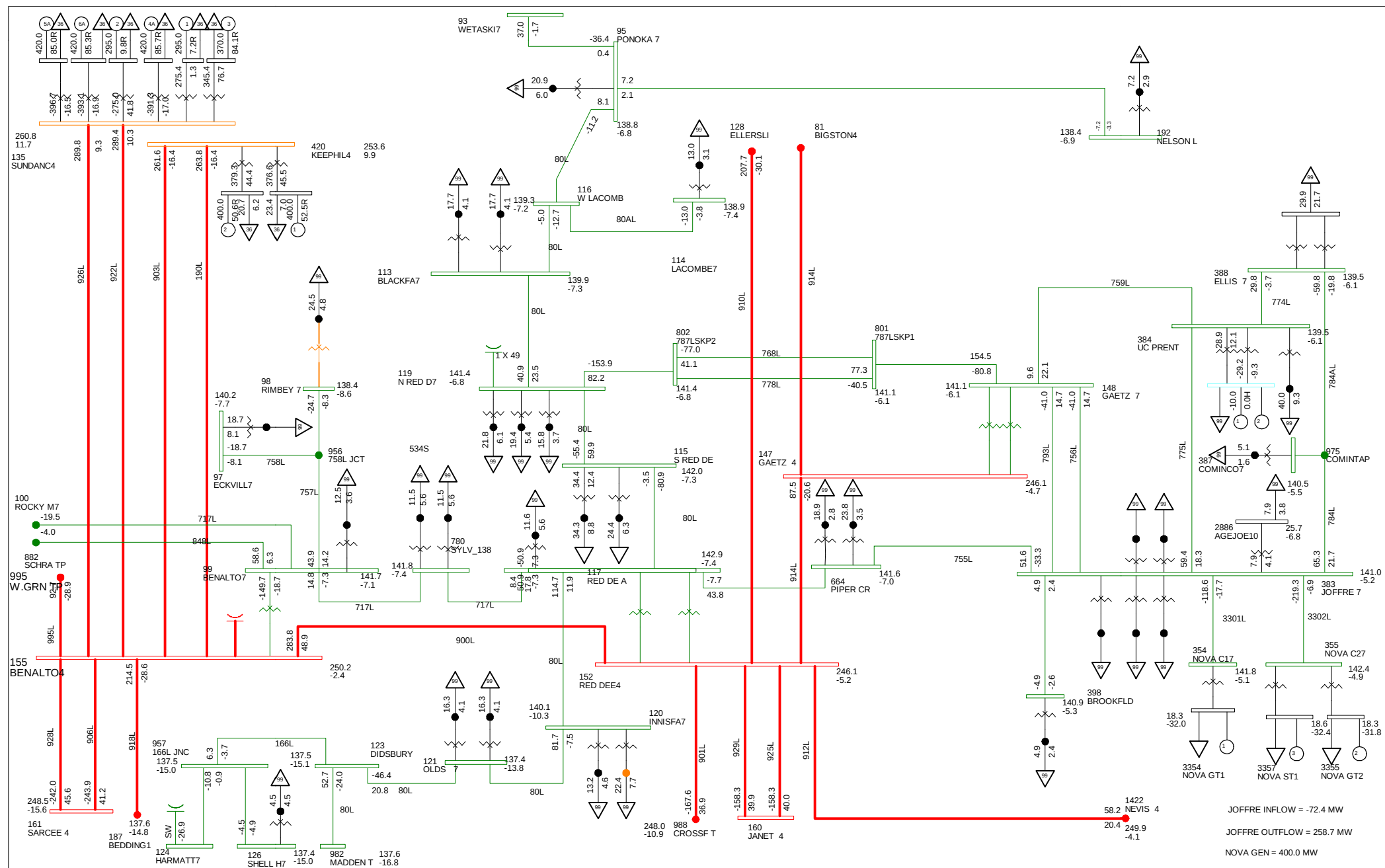
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Existing System 2009 Winter Peak (2009WP)

**Table A-1: Summary of Existing System Analysis
2009 Winter Peak**

Figure No.	Contingency	Overloaded Element	Percent Overload	Other System Performance Concerns
Fig C-1	All Elements in Service	None	N/A	None
Fig C-2	80L (Blackfalds 198S to N. Red Deer 217S)	None	N/A	Voltage Range Violation (138 kV) at Nelson Lake 429S Ponoka 331S Blackfalds 198S N.E .Lacombe 212S W. Lacombe 958S
Fig C-3	80L (Red Deer 63S to Innisfail 214S)	None	N/A	Voltage Range Violation (138 kV): Didsbury 152S, Olds 55S, and Innisfail 214S



C-1 RED DEER AREA STUDY (2009 WINTER PEAK CASE)
ALL ELEMENTS IN SERVICE
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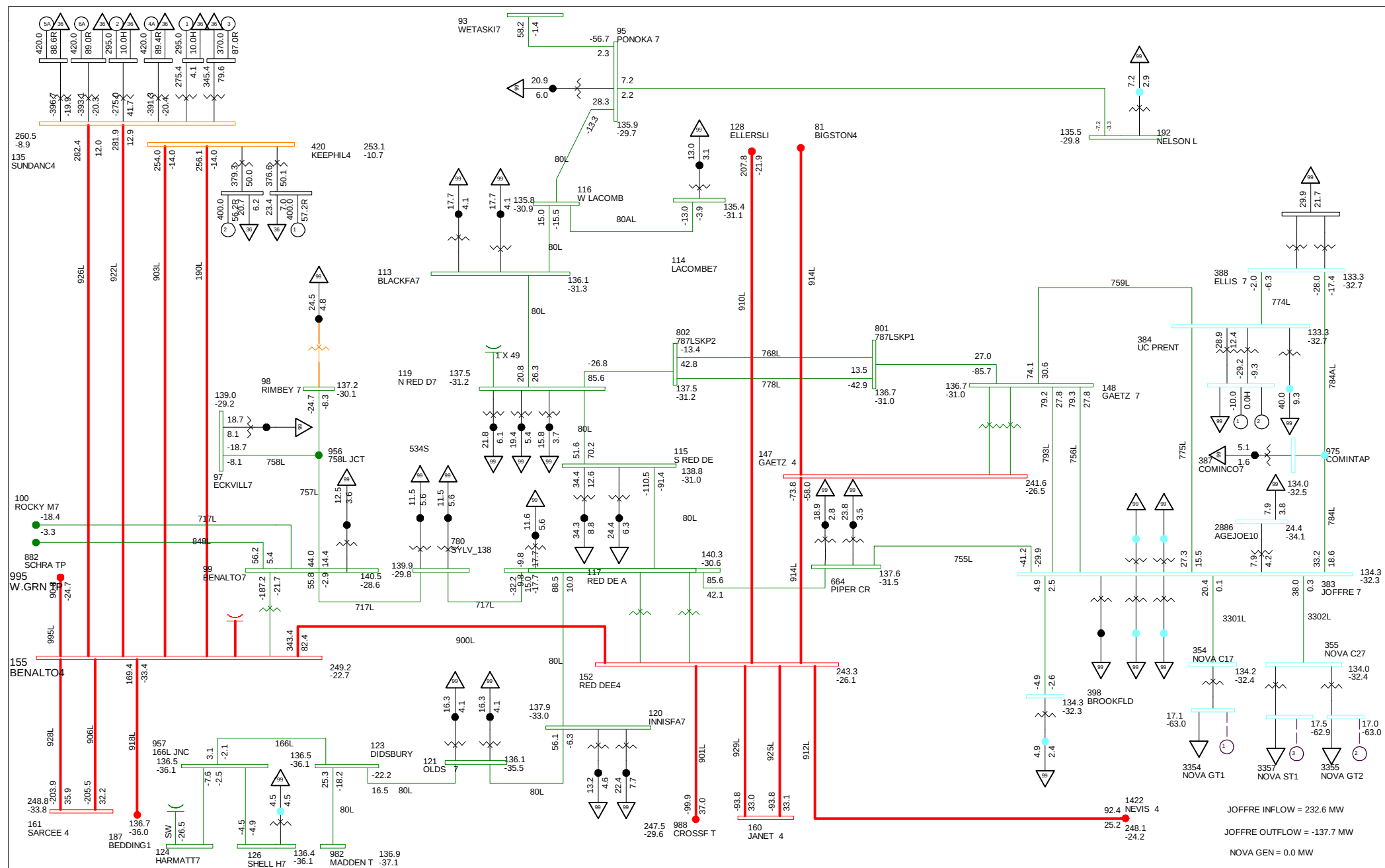
Bus - VOLTAGE (KV)/ANGLE
Branch - MW/MVAR
Equipment - MW/MVAR

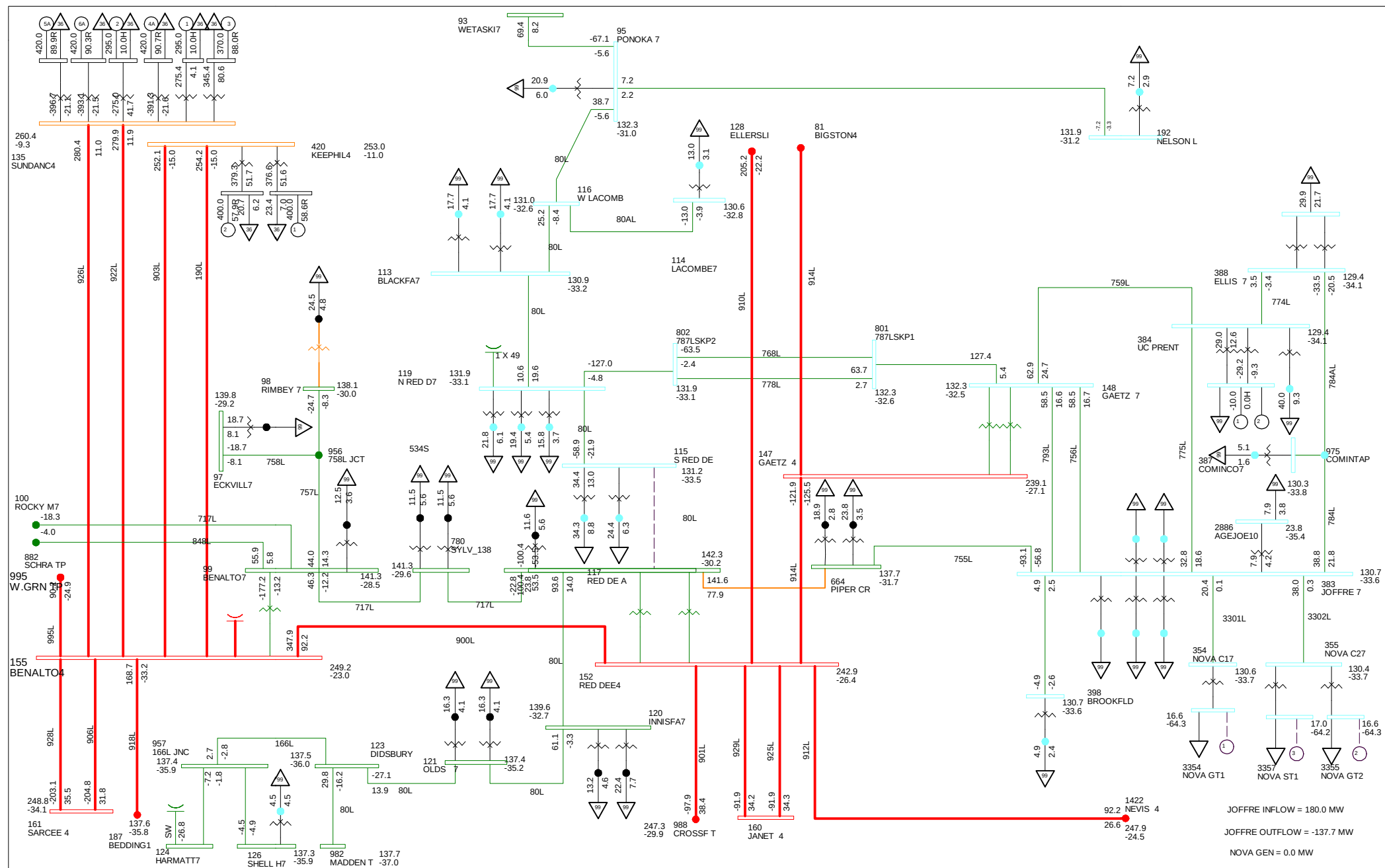
**Existing System 2009 Winter Peak
(2009WP with Nova OFF)**

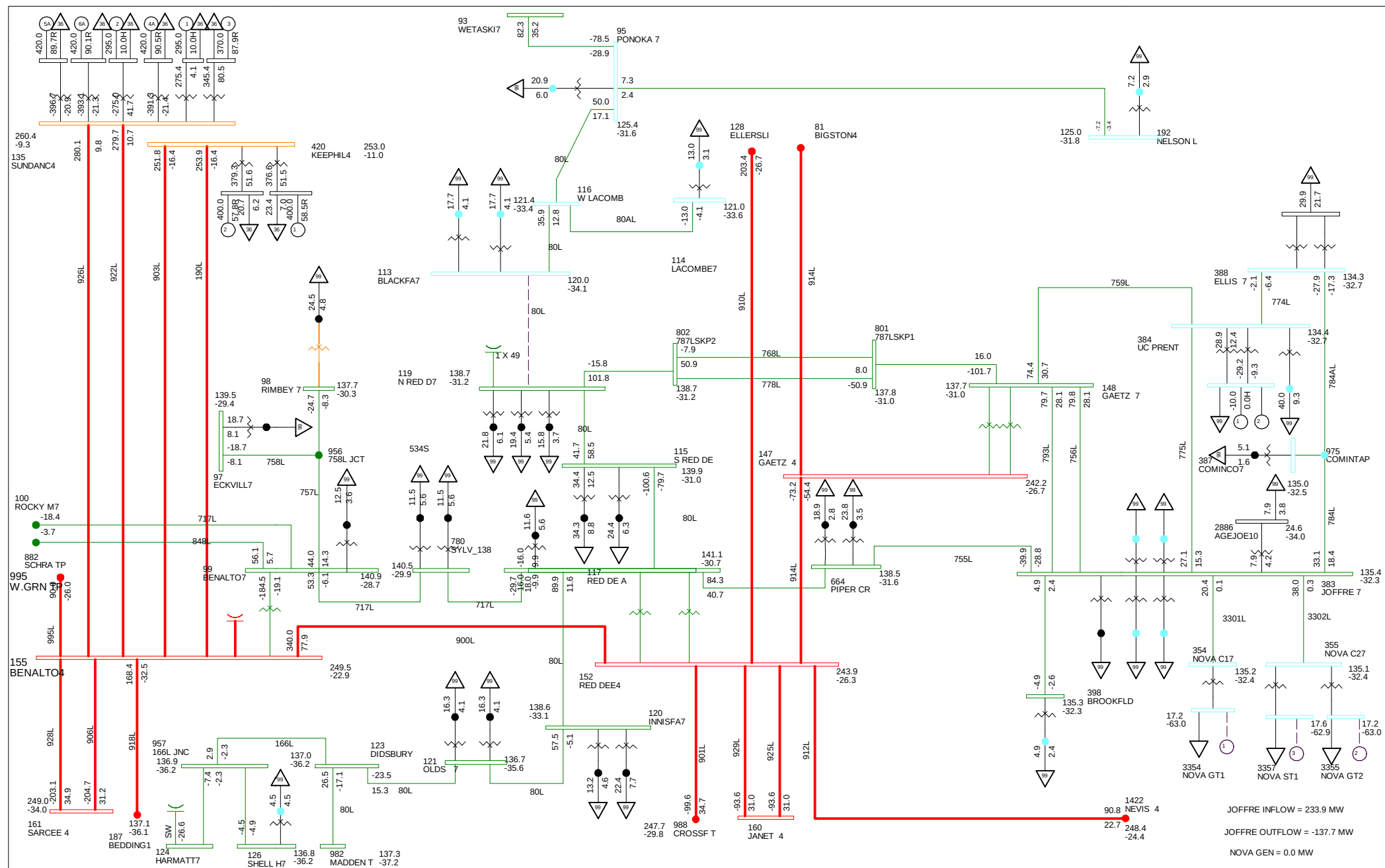
**Table A-2: Summary of Existing System Analysis
2009 Winter Peak with Nova OFF**

Figure No.	Contingency	Overloaded Element	Percent Overload	Other System Performance Concerns
Fig C-4	All elements in Service	None	N/A	Voltage Range Violation (138 kV): Joffre and Red Deer areas
Fig C-5	755L (Red Deer 63S to Piper Creek 247S)	80L(N. Red Deer 217S to S. Red Deer 194S to Red Deer 63S)	103% 98%	Voltage Range Violation (138 kV): Joffre and Red Deer areas
Fig C-6	80L (S. Red Deer 194S to Red Deer 63S)	755L (Red Deer 63S to Piper Creek 247S)	106%	Voltage Range Violation (138 kV): Joffre and Red Deer areas
Fig C-7	80L (Blackfalds 198S to N. Red Deer 217S)	None	N/A	Voltage Range Violation (138 kV) at Nelson Lake 429S Ponoka 331S Blackfalds 198S N.E .Lacombe 212S W. Lacombe 958S
Fig C-8	80L (Red Deer 63S to Innisfail 214S)	None	N/A	Voltage Range Violation (138 kV): Voltage Range Violation (138 kV): Joffre areas plus Didsbury 152S, Olds 55S, and Innisfail 214S
Fig C-9	914L(Red Deer 63S to Gaetz 87S)	None	N/A	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Nelson Lake 429S Ponoka 331S Blackfalds 198S N.E .Lacombe 212S W. Lacombe 958S
Fig C-10	900L(Benalto 17S to Red Deer 63S)	Transformer at Benalto 17S	126%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Nelson Lake 429S Ponoka 331S Blackfalds 198S N.E .Lacombe 212S W. Lacombe 958S

Figure No.	Contingency	Overloaded Element	Percent Overload	Other System Performance Concerns
Fig C-11	Transformer at Benalto 17S	Transformer at Benalto 17S	110%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Nelson Lake 429S Ponoka 331S Blackfalds 198S N.E .Lacombe 212S W. Lacombe 958S plus Benalto area



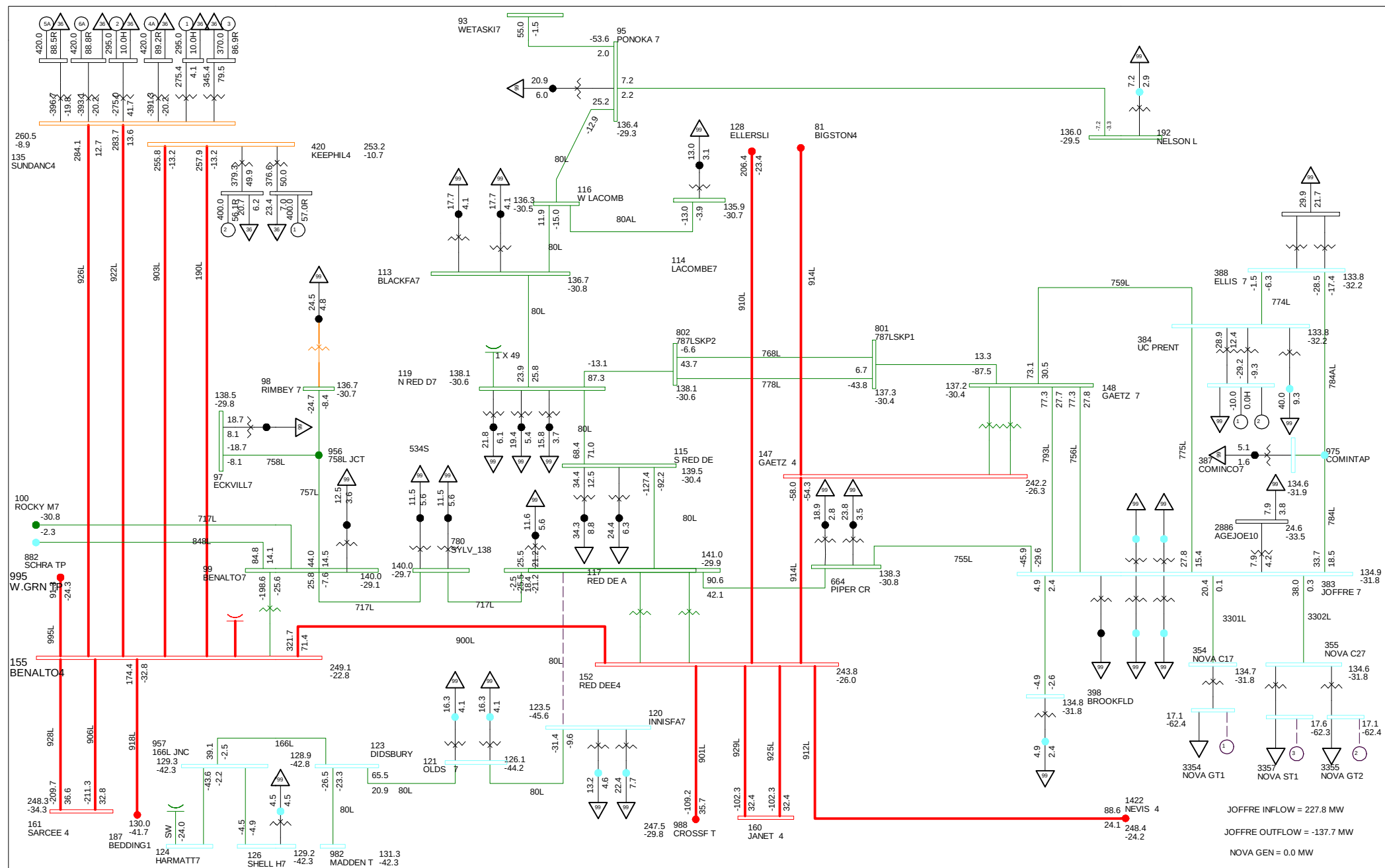


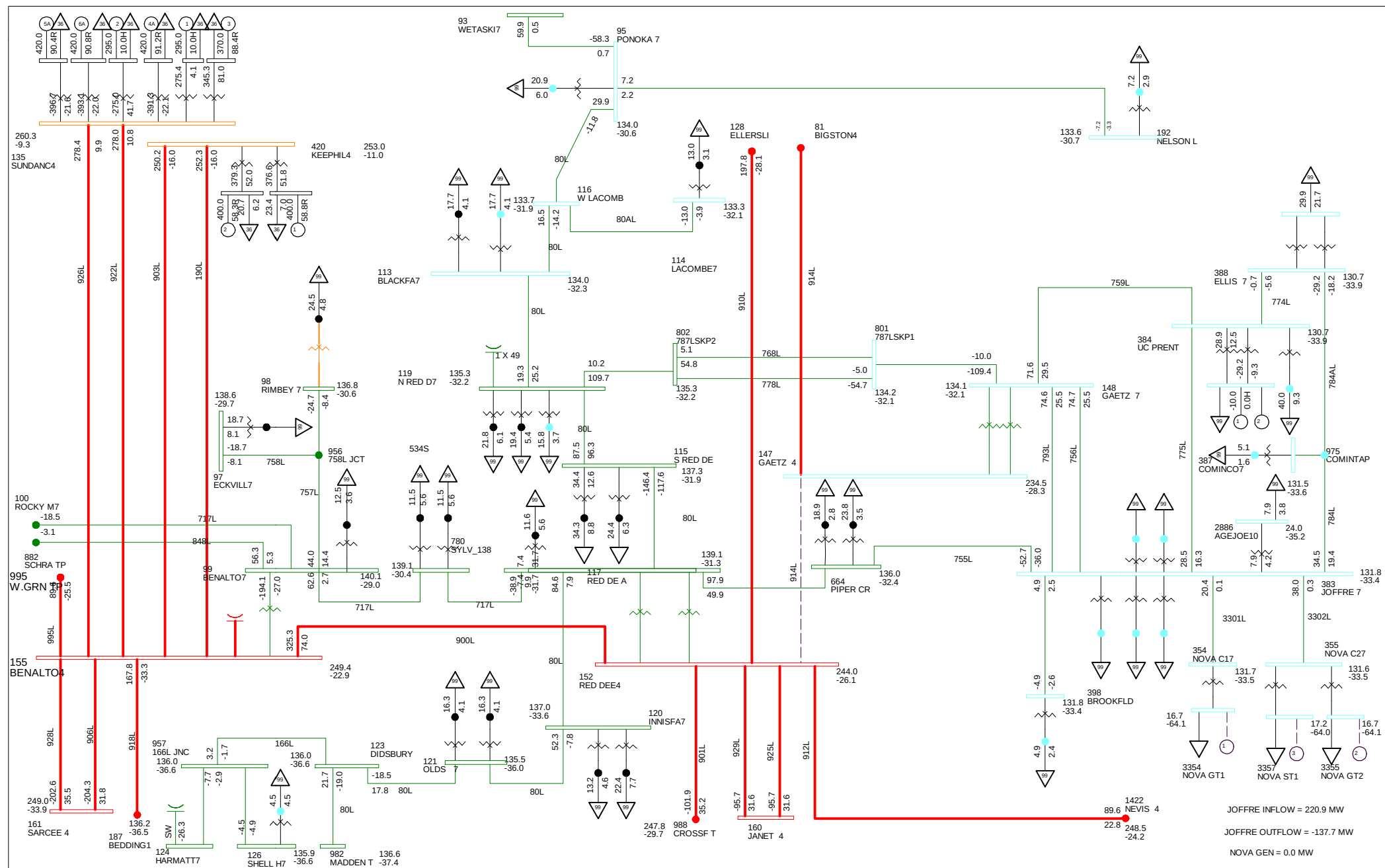


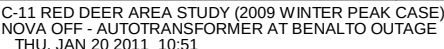
JOFFRE INFLOW = 233.9 MW
 JOFFRE OUTFLOW = -137.7 MW
 NOVA GEN = 0.0 MW

C-7 RED DEER AREA STUDY (2009 WINTER PEAK CASE)
 NOVA OFF & 80L (BLACKFALDS TO N. RED DEER) OUTAGE
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Bus - VOLTAGE (KV)/ANGLE <=34.500 <=138.000 <=500.000
 Branch - MW/MVAR <=72.000 <=240.000 >500.000
 Equipment - MW/MVAR







A-17

Existing System 2012 Winter Peak (2012 WP)

**Table A-3: Summary of Existing System Analysis
2012 Winter Peak**

Figure No.	Contingency	Overloaded Element	Percent Overload	Other System Performance Concerns
Fig D-1	All Elements in Service	None	N/A	None
Fig D-2	80L (Blackfalds 198S to N. Red Deer 217S)	None	N/A	Voltage Range Violation (138 kV) at Nelson Lake 429S Ponoka 331S Blackfalds 198S N.E .Lacombe 212S W. Lacombe 958S
Fig D-3	80L (Red Deer 63S to Innisfail 214S)	None	N/A	Voltage Range Violation (138 kV): Didsbury 152S, Olds 55S, and Innisfail 214S

Existing System 2012 Winter Peak (2012WP with Nova OFF)

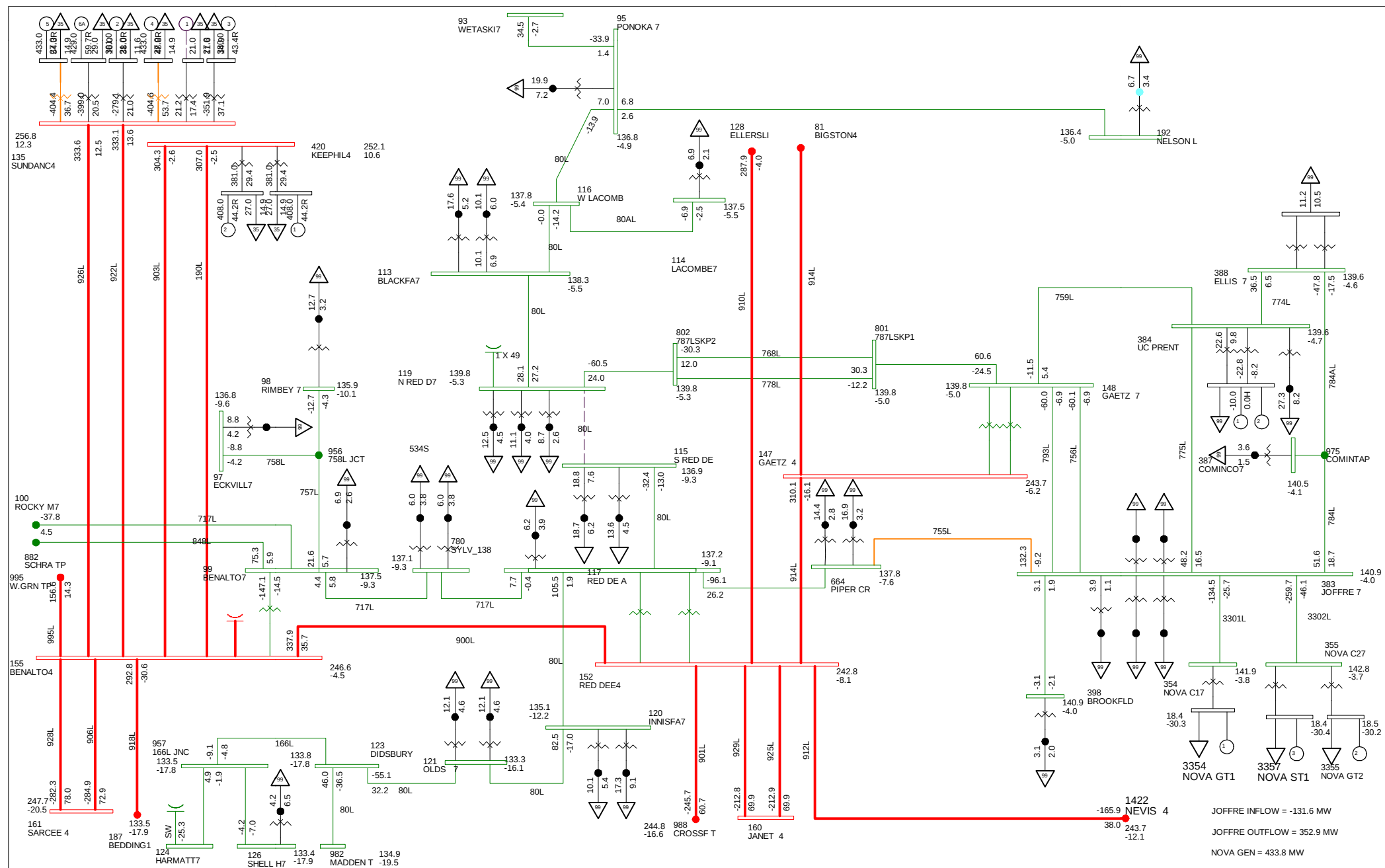
**Table A-4: Summary of Existing System Analysis
2012 Winter Peak with Nova OFF**

Figure No.	Contingency	Overloaded Element	Percent Overload	Other System Performance Concerns
Fig D-4	All elements in Service	None	N/A	Voltage Range Violation (138 kV): Joffre and Red Deer areas
Fig D-5	80L (S. Red Deer 194S to Red Deer 63S)	755L (Red Deer 63S to Piper Creek 247S)	102%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds and Ponoka areas
Fig D-6	Transformer at Red Deer 63S	Transformer at Benalto 17S	116%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds, Ponoka and Didsbury areas
Fig D-7	755L (Red Deer 63S to Piper Creek 247S)	Transformer at Benalto 17S	102%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds, Ponoka and Didsbury areas
Fig D-8	166L(Didsbury to 166L JNC)	Transformer at Benalto 17S	104%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds, Ponoka and Didsbury areas
Fig D-9	Transformer at Gaetz 87S	Transformer at Benalto 17S & Transformer at Gaetz 87S	111% & 115%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds, Ponoka and Didsbury areas
Fig D-10	914L(Red Deer 63S to Gaetz 87S)	80L(N. Red Deer 217S to S. Red Deer 194S to Red Deer 63S) & Transformer at Benalto 17S	111% 108% & 114%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds, Ponoka and Didsbury areas
Fig D-11	900L(Red Deer 63S to Benalto 17S)	Transformer at Benalto 17S	133%	Voltage Range Violation (138 kV): Joffre and Red Deer areas plus Blackfalds, Ponoka and Didsbury areas

Existing System 2012 Summer Peak (High SOK)

**Table A-5: Summary of Existing System Analysis
2012 Summer Peak + High SOK**

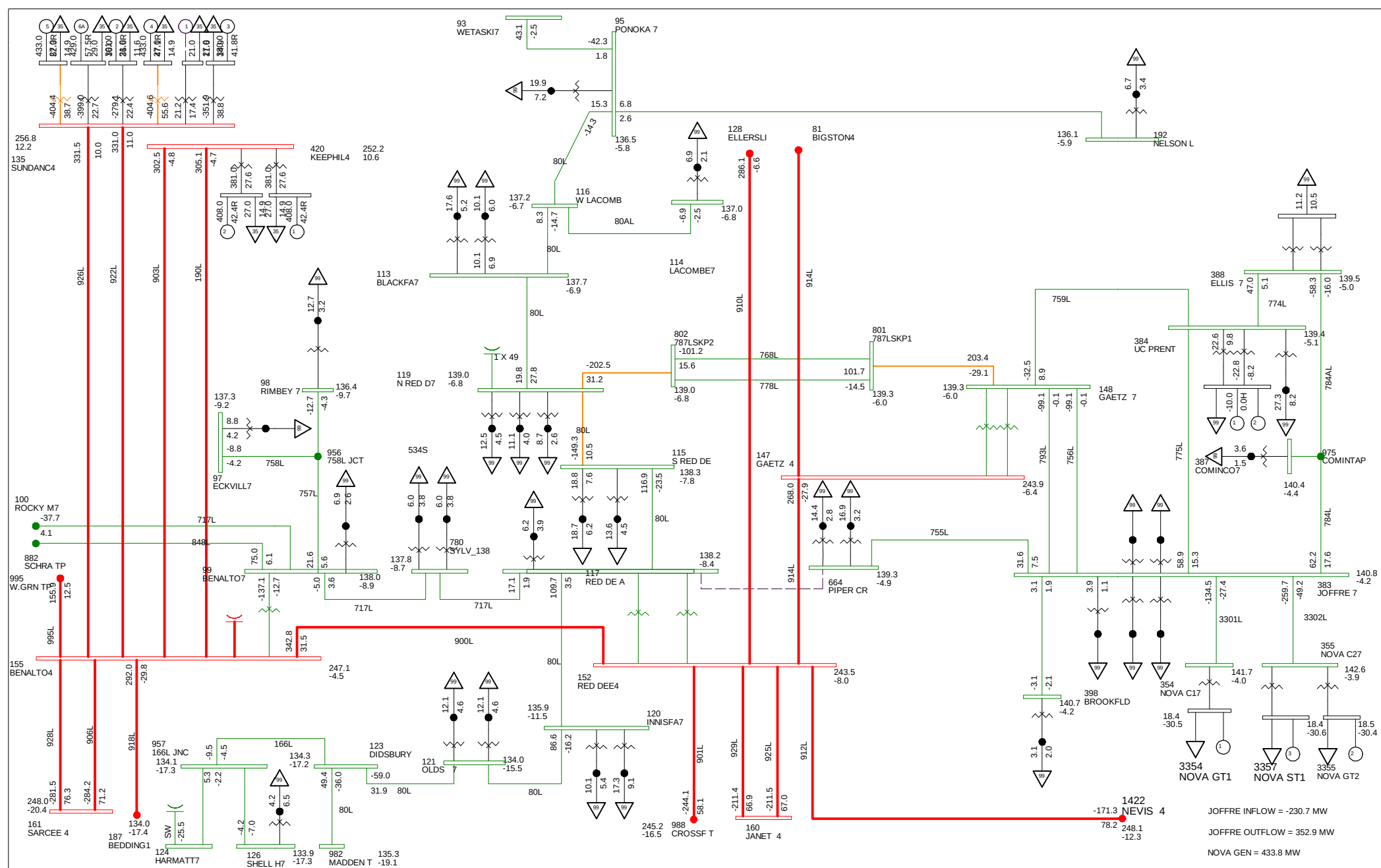
Figure No.	Contingency	Overloaded Element	Percent Overload	Other System Performance Concerns
Fig E-1	All elements in Service	None	N/A	None
Fig E-2	80L(N. Red Deer 217S to S. Red Deer 194S)	755L(Joffre 535S to Piper Creek 247S)	108%	None
Fig E-3	Transformer (T2) at Benalto 17S	80L(N. Red Deer 217S to S. Red Deer 194S)	124%	None
		717S (Red Deer 63S to Sylva Lake 580S)	102%	
Fig E-4	755L (Red Deer 63S to Piper Creek 247S)	80L(N. Red Deer 217S to S. Red Deer 194S)	123%	None
Fig E-5	910L (Ellerslie 89S to Red Deer 63S)	80L(N. Red Deer 217S to S. Red Deer 194S)	102%	None
Fig E-6	922L(Sundance to Benalto 17S)	80L(N. Red Deer 217S to S. Red Deer 194S)	103%	None
Fig E-7	903L(Keephills to Benalto 17S)	80L(N. Red Deer 217S to S. Red Deer 194S)	101%	None
Fig E-8	755L(Piper Creek 247S to Joffre 535S)	80L(N. Red Deer 217S to S. Red Deer 194S)	141%	None
Fig E-9	914L (Red Deer 63S to Gaetz 87S)	80L(N. Red Deer 217S to S. Red Deer 194S to Red Deer 63S)	187% 111%	None
Fig E-10	719L(Sundre 575S to Shell C. 378S)	80L(Innisfail 214S to Olds 55S)	102%	Voltage violation at Didsbury area



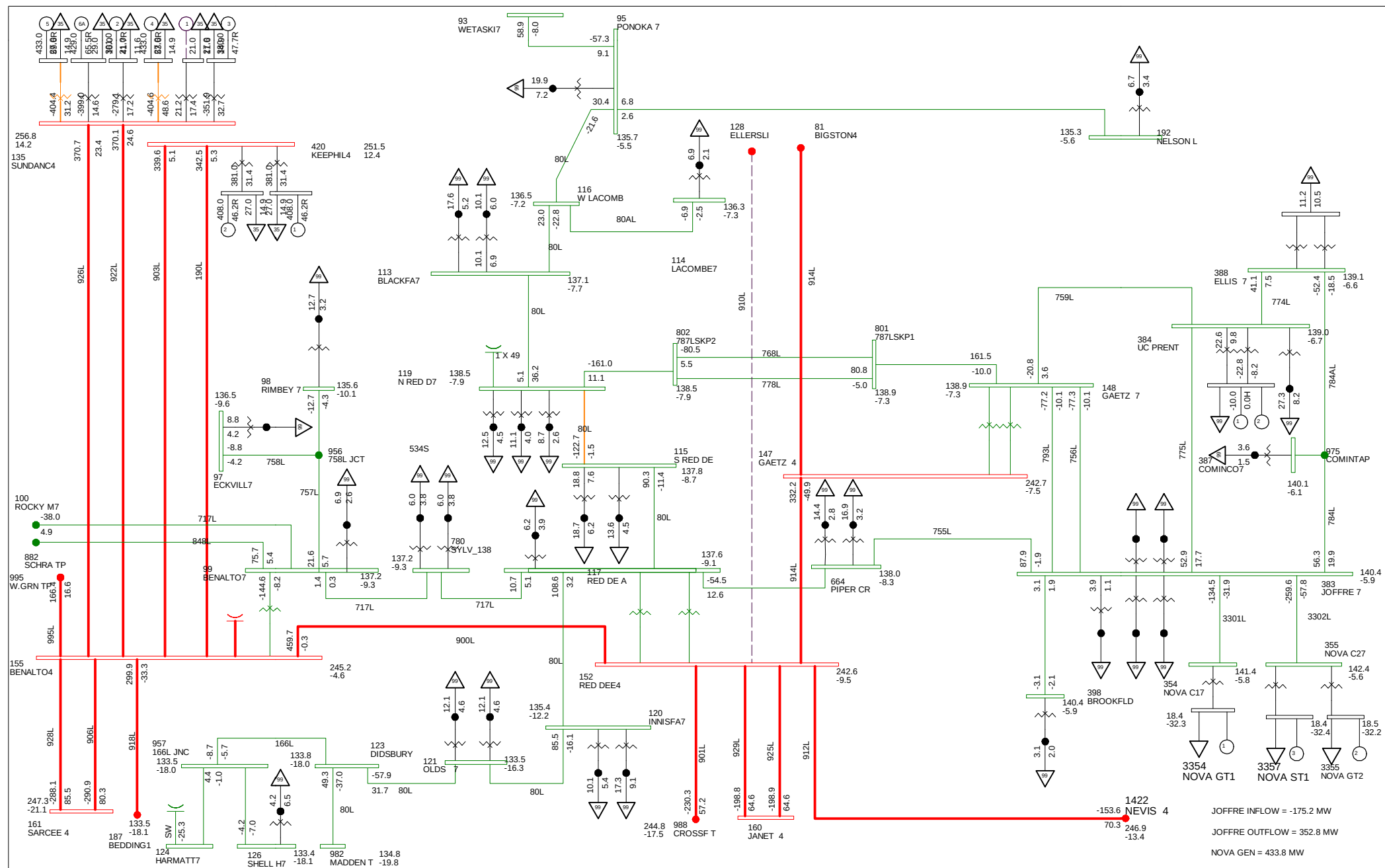
E-2 RED DEER AREA STUDY(2012 SUMMER PEAK CASE
HIGH SOK - 80L(S. TO N. RED DEER) OUTAGE
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Bus - VOLTAGE (KV)/ANGLE
Branch - MW/MVAR
Equipment - MW/MVAR

<=34.500 <=138.000 <=500.000
>=72.000 >=240.000 >500.000

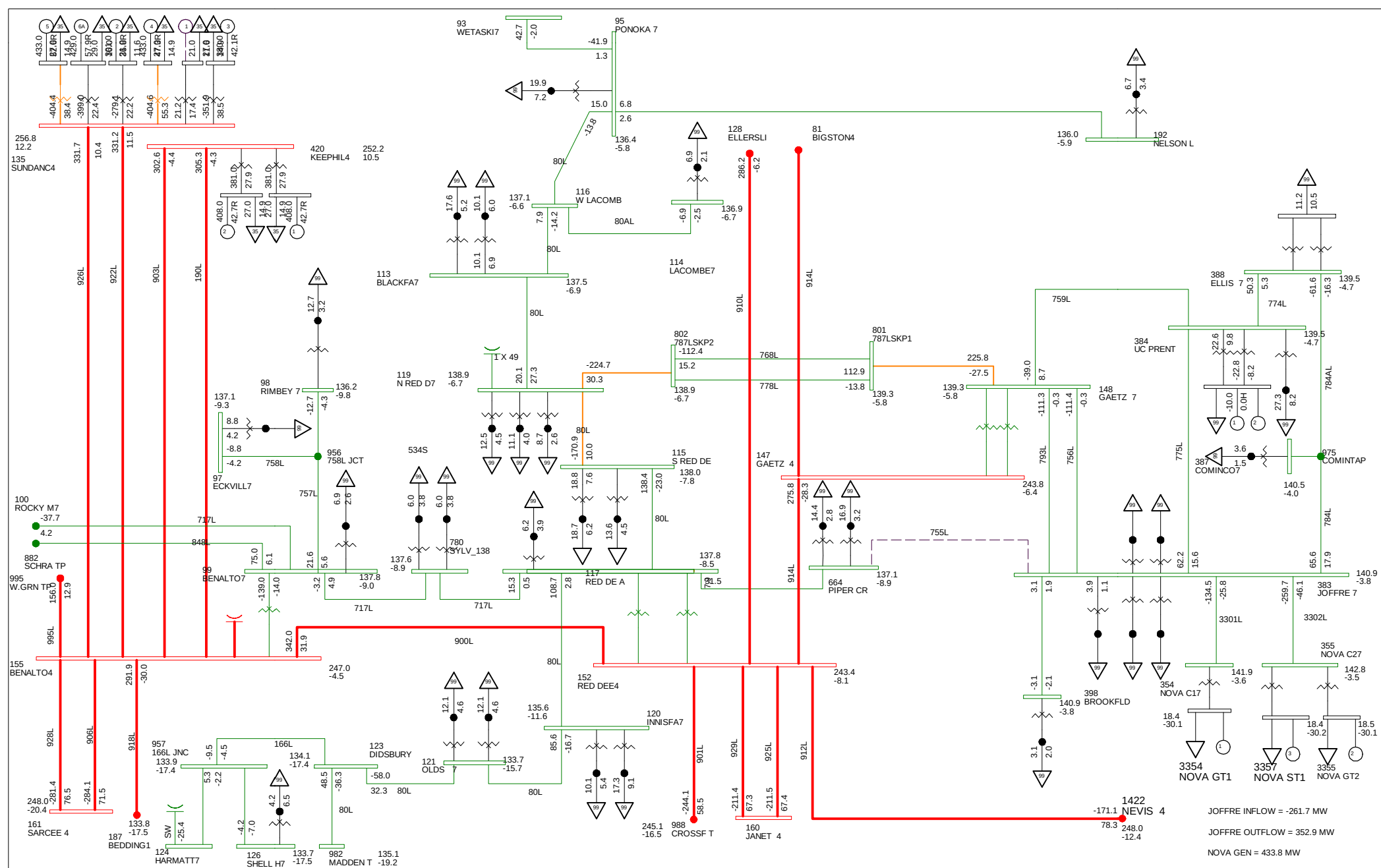


E-4 RED DEER AREA STUDY(2012 SUMMER PEAK CASE
 HIGH SOK - 755L (RED DEER TO PIPER C.) OUTAGE
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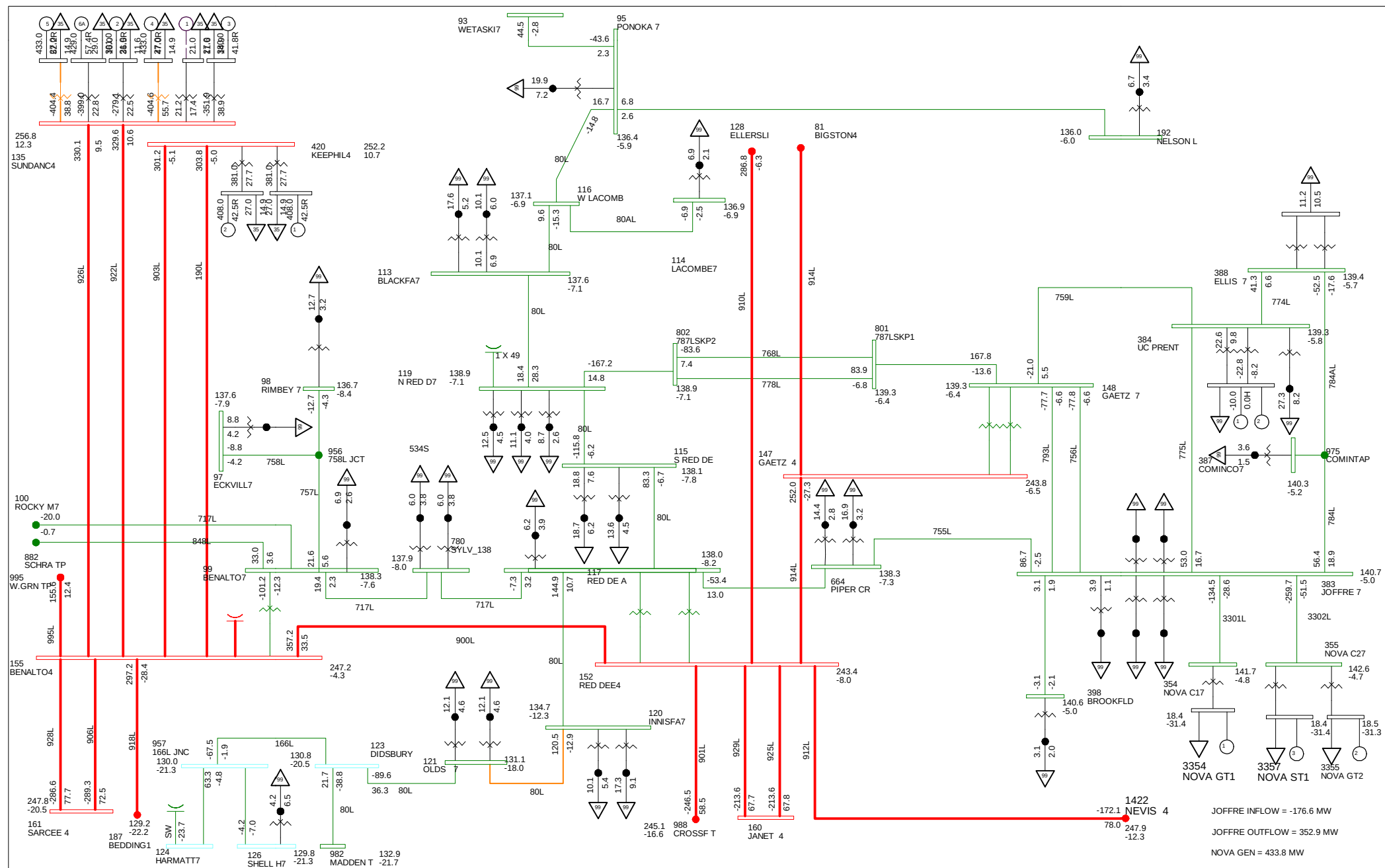


E-5 RED DEER AREA STUDY(2012 SUMMER PEAK CASE
HIGH SOK - 910L(ELLERSLIE TO RED DEER)OUTAGE
THU, JAN 20 2011 13:30

Bus - VOLTAGE (KV)/ANGLE <=34.500 <=138.000 <=500.000
Branch - MW/MVAR <=72.000 <=240.000 >500.000
Equipment - MW/MVAR



E-8 RED DEER AREA STUDY(2012 SUMMER PEAK CASE
 HIGH SOK - 755L (JOFFE TO PIPER C.) OUTAGE
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E-10 RED DEER AREA STUDY(2012 SUMMER PEAK CASE
HIGH SOK - 719L(SHELL CAROLINE TO SUNDRE) OUTAGE
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Existing System Short Circuit Analysis

Existing System Fault Current Levels

Substation Name (Fault Location)	Base Voltage (kV)	Existing System	
		3 Phase Fault Current (kA)	1 Phase Fault Current (kA)
Red Deer 63S	240(Bus No.152)	20548	14768
	138(Bus No.117)	19455	16523
	138(Bus No.118)	19455	16523
Gaetz 87S	240(Bus No.147)	14670	10631
	138(Bus No.148)	21204	16798
Benalto 17S	240(Bus No.155)	20182	12287
	138(Bus No.99)	10788	8772
Ponoka 331S	138(Bus No.95)	4968	3002
Nelson Lake 429S	138(Bus No.192)	3099	1836
W. Lacombe 958S	138(Bus No.116)	6523	3965
N.E. Lacombe 212S	138(Bus No.114)	4483	2690
Blackfalds 198S	138(Bus No.113)	9382	5806
N. Red Deer 217S	138(Bus No.119)	19106	12737
S. Red Deer 194S	138(Bus No.115)	17993	14497
Ellis 332S	138(Bus No.388)	14168	10422
Joffre 535S	138(Bus No.383)	20941	22279
Nova C17	138(Bus No.354)	18346	19782
Nova C27	138(Bus No.355)	19273	21103
Piper Creek 247S	138(Bus No.664)	12405	10284
UC Prentiss 276S	138(Bus No.384)	14450	10809
Haynes 482S	138(Bus No.387)	11170	8269
Brookfield 536S	138(Bus No.398)	15622	13544
Sylva Lake 580S	138(Bus No.780)	10259	6834
Eckvill 534S	138(Bus No.97)	5192	3394
Rimbey 297S	138(Bus No.98)	2711	1627
Olds 55S	138(Bus No.121)	5131	3445
Didsbury 152S	138(Bus No.123)	5339	3954
Innisfail 214S	138(Bus No.120)	7361	4600
Harmatten 256S	138(Bus No.124)	4361	3329
Madden 373S	138(Bus No.122)	3466	2248
Keephills 320P	240(Bus No.420)	18175	18968

Substation Name (Fault Location)	Base Voltage (kV)	Existing System	
		3 Phase Fault Current (kA)	1 Phase Fault Current (kA)
Sundance 310P	240(Bus No.135)	27915	31407
Ellerslie 89S	500 (Bus No.258)	11327	11470
	240(Bus No.128)	28356	27832
Bigstone 86S	240(Bus No.81)	10311	6997
	138(Bus No.374)	8801	6594
Sarcee 42S	240(Bus No.161)	18349	17976
Nevis 766S	240(Bus No.1422)	8108	5825
	138(Bus No.1423)	5436	5371
Beddington 162S	240(Bus No.187)	15258	14743
Janet 74S	240(Bus No.160)	25247	22619

Existing System Voltage Stability Analysis

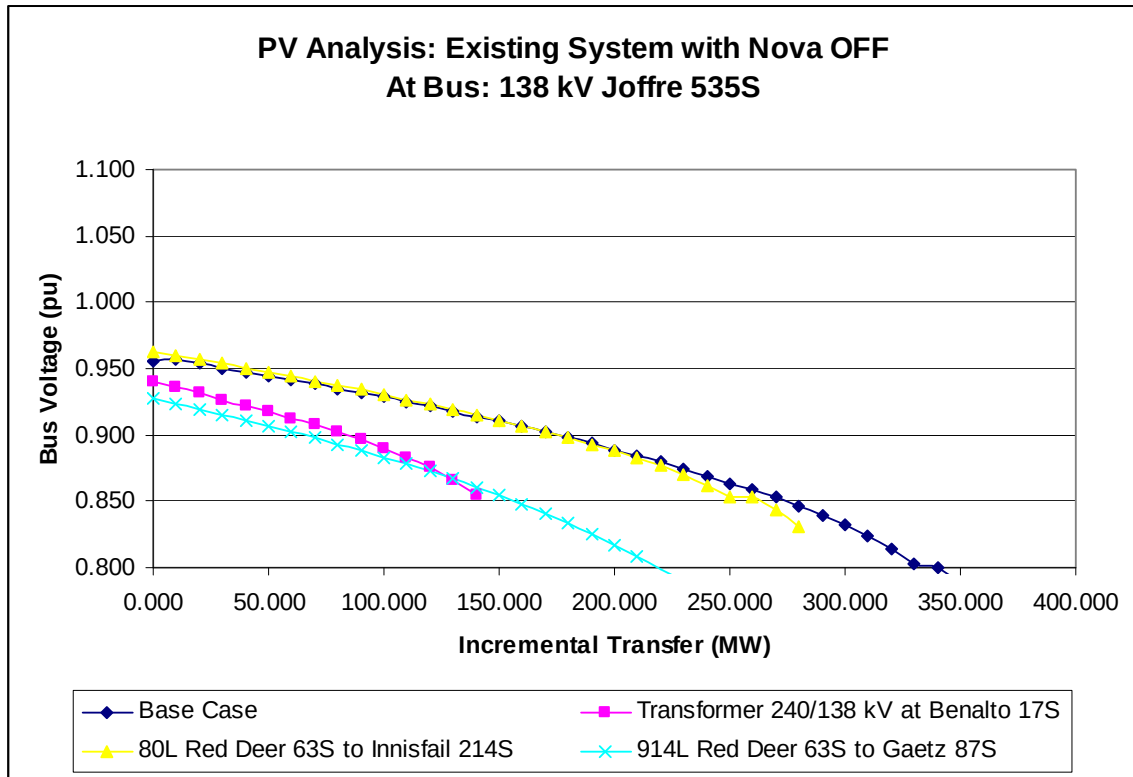
According to Table 2-4 in main report, the system performance should be compliant with Performance Level A, which is 5% corresponding to 35 MW in 2012. The forecast 2012 winter peak load for the Red Deer region is 690 MW based on the 2012 AESO forecast. The following tables provide the PV study results which giving maximum reserved real power margin at voltage collapse (knee) points under various contingencies for 2012 existing system with Nova OFF.

Summary of 2012 Existing System P-V Analysis Results

**2012 Winter Peak with Nova OFF
(138 kV Bus at Joffre 535S)
(Bus No. 383)**

Figure No.	Nova OFF				Compliance with WECC voltage stability criteria
	Most Critical Contingency	Maximum real power margin at voltage collapse (knee) point			
		(MW)	(%)		
Load Adequacy					
Joffre 535S138 kV	Base Case	30	4	No	
Fig 2012 Existing System PV-1	Transformer 240/138 kV at Benalto 17S	0	0	No	
	80L Red Deer 63S to Innisfail 214S	40	6	Yes	
	914L Red Deer 63S to Gaetz 87S	0	0	No	

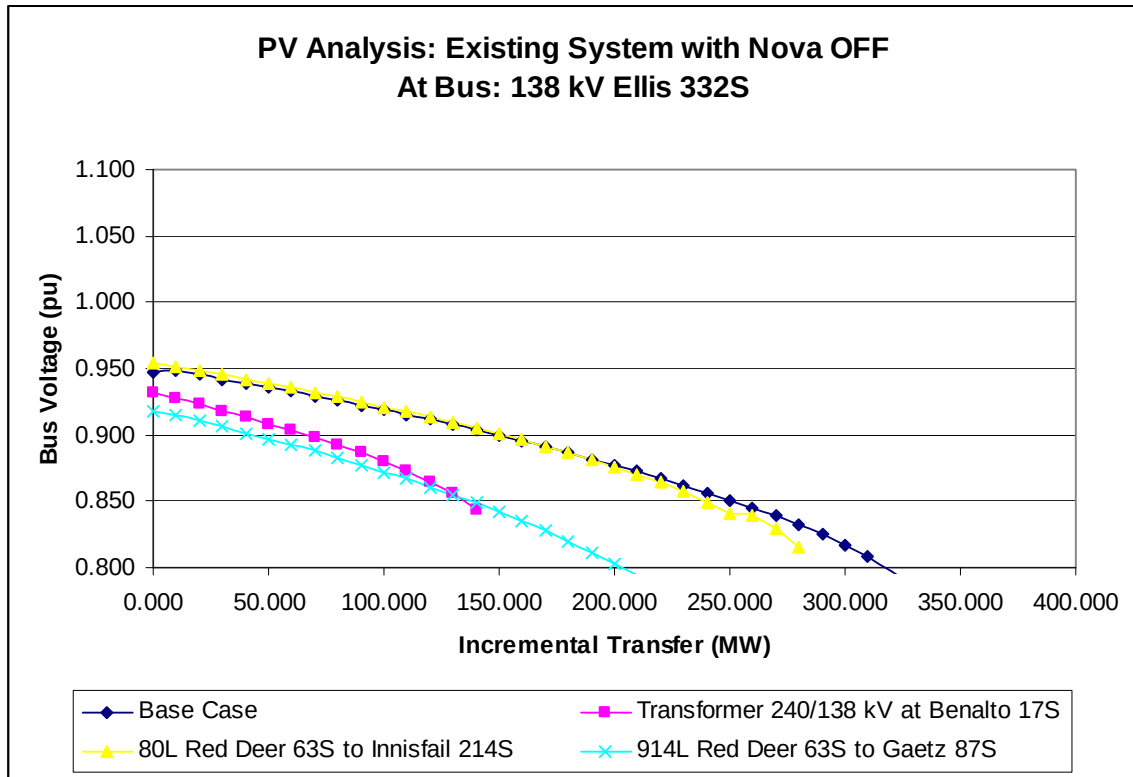
Fig 2012 Existing System PV-1



**2012 Winter Peak with Nova OFF
(138 kV Bus at Ellis 332S)
(Bus No. 388)**

Figure No.	Nova OFF			Compliance with WECC voltage stability criteria
	Most Critical Contingency	Maximum real power margin at voltage collapse (knee) point		
		(MW)	(%)	
Load Adequacy				
Ellis 332S138 kV	Base Case	0	0	No
Fig 2012 Existing System PV-2	Transformer 240/138 kV at Benalto 17S	0	0	No
	80L Red Deer 63S to Innisfail 214S	10	1	No
	914L Red Deer 63S to Gaetz 87S	0	0	No

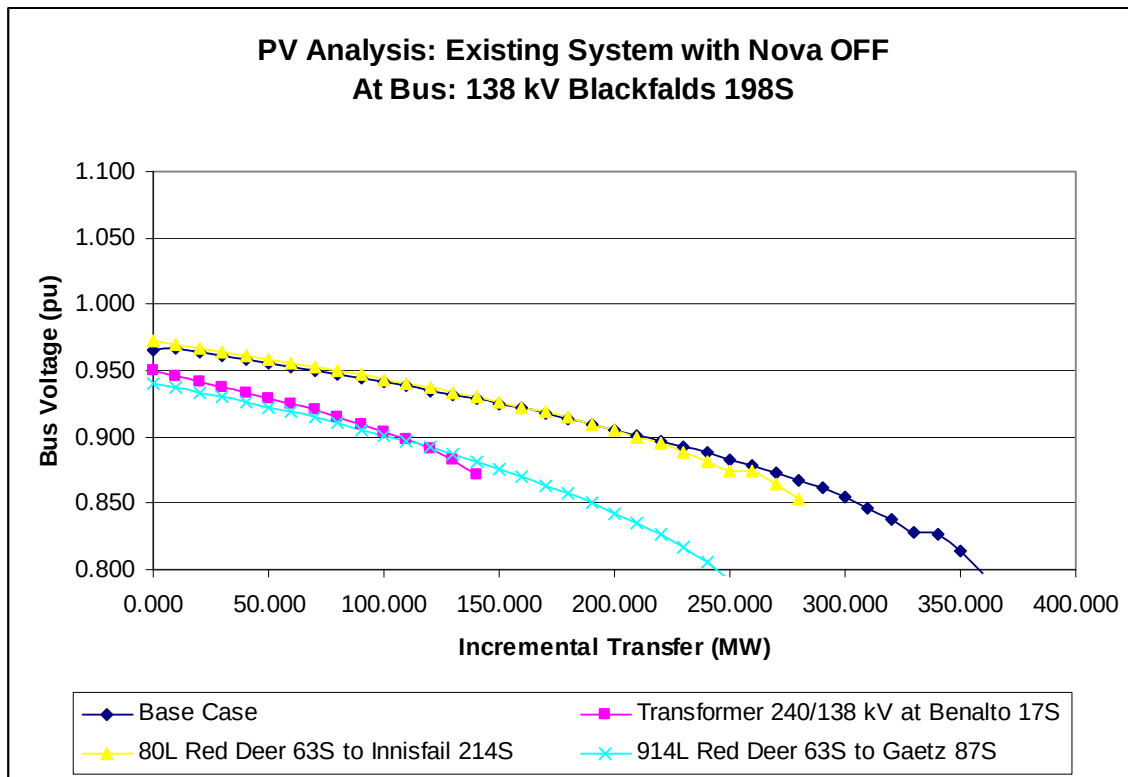
Fig 2012 Existing System PV-2



**2012 Winter Peak with Nova OFF
(138 kV Bus at Blackfalds 198S)
(Bus No. 113)**

Figure No.	Nova OFF			Compliance with WECC voltage stability criteria
	Most Critical Contingency	Maximum real power margin at voltage collapse (knee) point		
		(MW)	(%)	
Load Adequacy				
Blackfalds 198S138 kV	Base Case	70	10	Yes
Fig 2012 Existing System PV-3	Transformer 240/138 kV at Benalto 17S	0	0	No
	80L Red Deer 63S to Innisfail 214S	80	12	Yes
	914L Red Deer 63S to Gaetz 87S	0	0	No

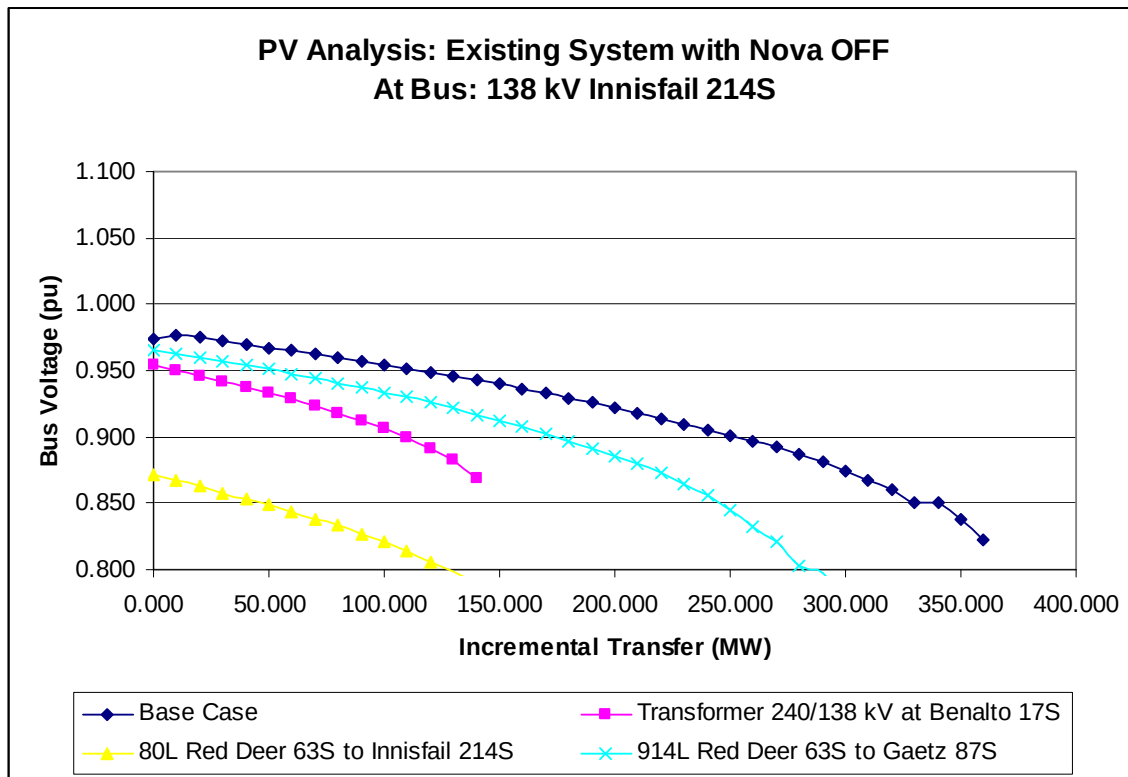
Fig 2012 Existing System PV-3



**2012 Winter Peak with Nova OFF
(138 kV Bus at Innisfail 214S)
(Bus No. 120)**

Figure No.	Nova OFF			Compliance with WECC voltage stability criteria
	Most Critical Contingency	Maximum real power margin at voltage collapse (knee) point		
		(MW)	(%)	
Load Adequacy				
Innisfail 214S138 kV	Base Case	110	16	Yes
Fig 2012 Existing System PV-4	Transformer 240/138 kV at Benalto 17S	10	1	No
	80L Red Deer 63S to Innisfail 214S	0	0	No
	914L Red Deer 63S to Gaetz 87S	50	7	Yes

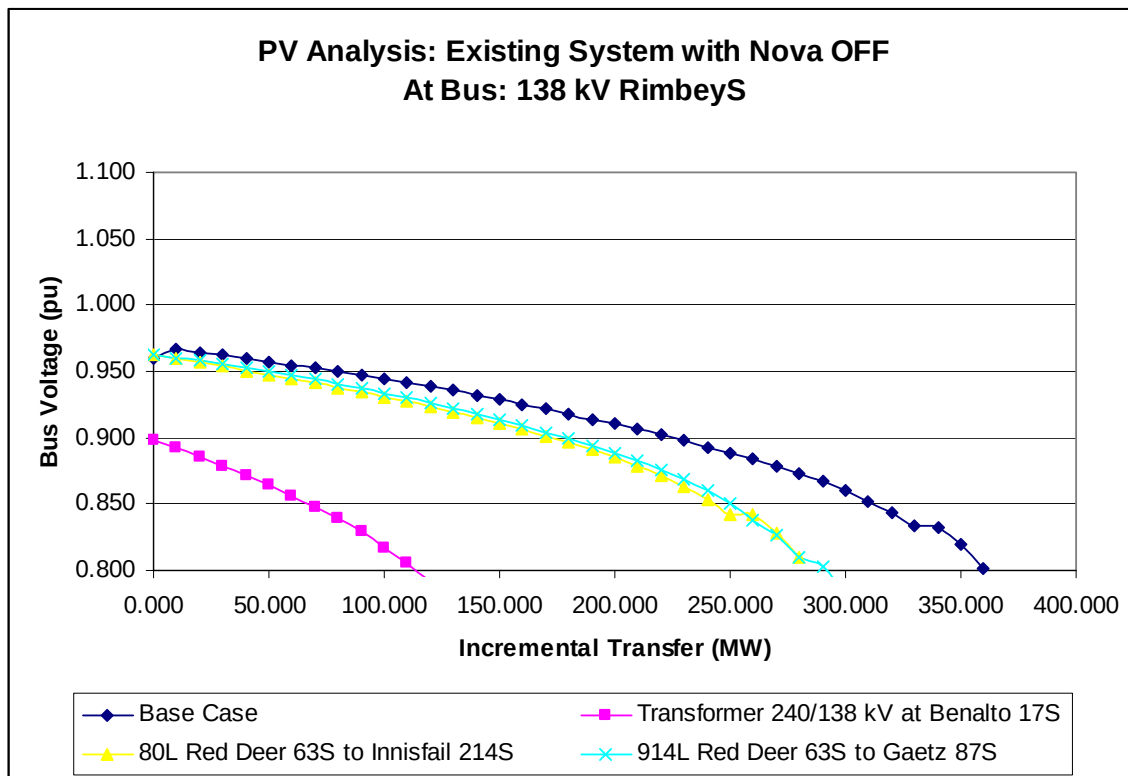
Fig 2012 Existing System PV-4



**2012 Winter Peak with Nova OFF
(138 kV Bus at Rimbey 297S)
(Bus No. 98)**

Figure No.	(Nova Off)			Compliance with WECC voltage stability criteria
	Most Critical Contingency	Maximum real power margin at voltage collapse (knee) point		
		(MW)	(%)	
Load Adequacy				
Rimbey 297S138 kV	Base Case	80	12	Yes
Fig 2012 Existing System PV-5	Transformer 240/138 kV at Benalto 17S	0	0	No
	80L Red Deer 63S to Innisfail 214S	40	6	Yes
	914L Red Deer 63S to Gaetz 87S	40	6	Yes

Fig 2012 Existing System PV-5

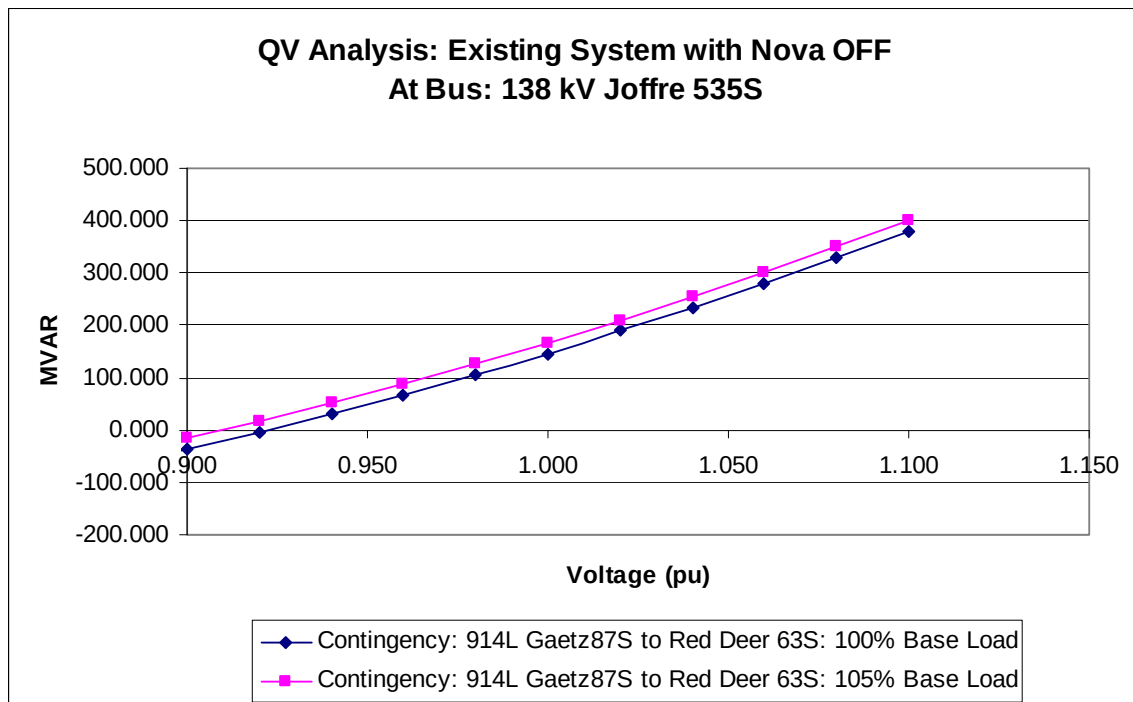
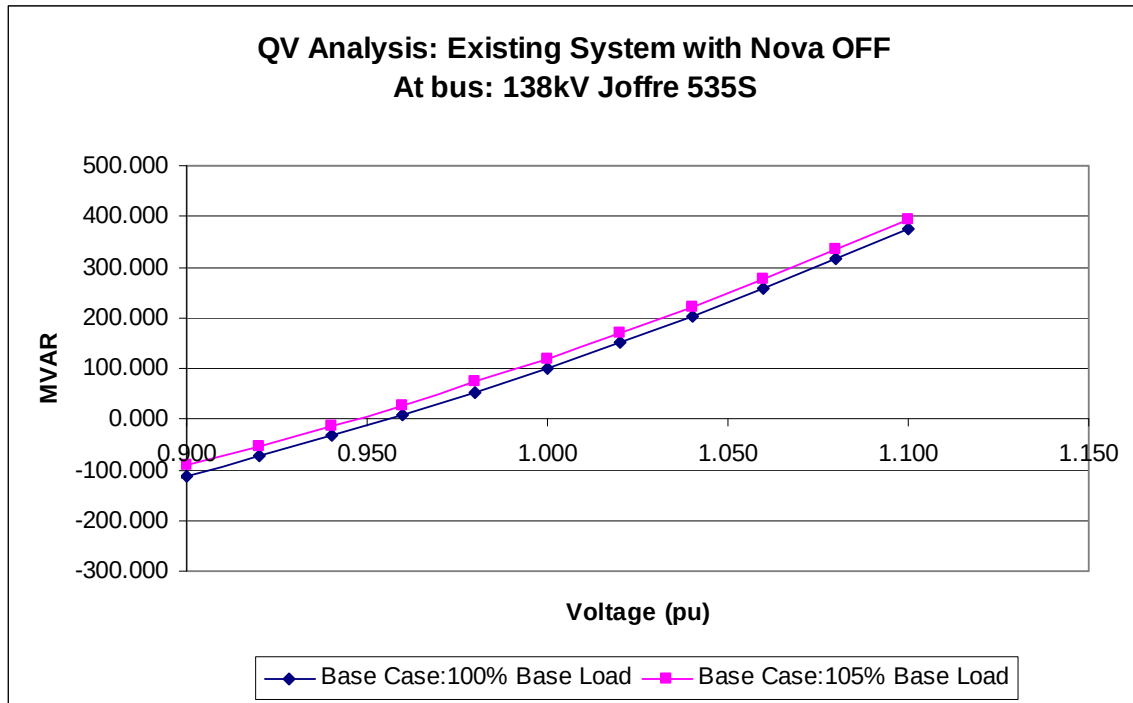


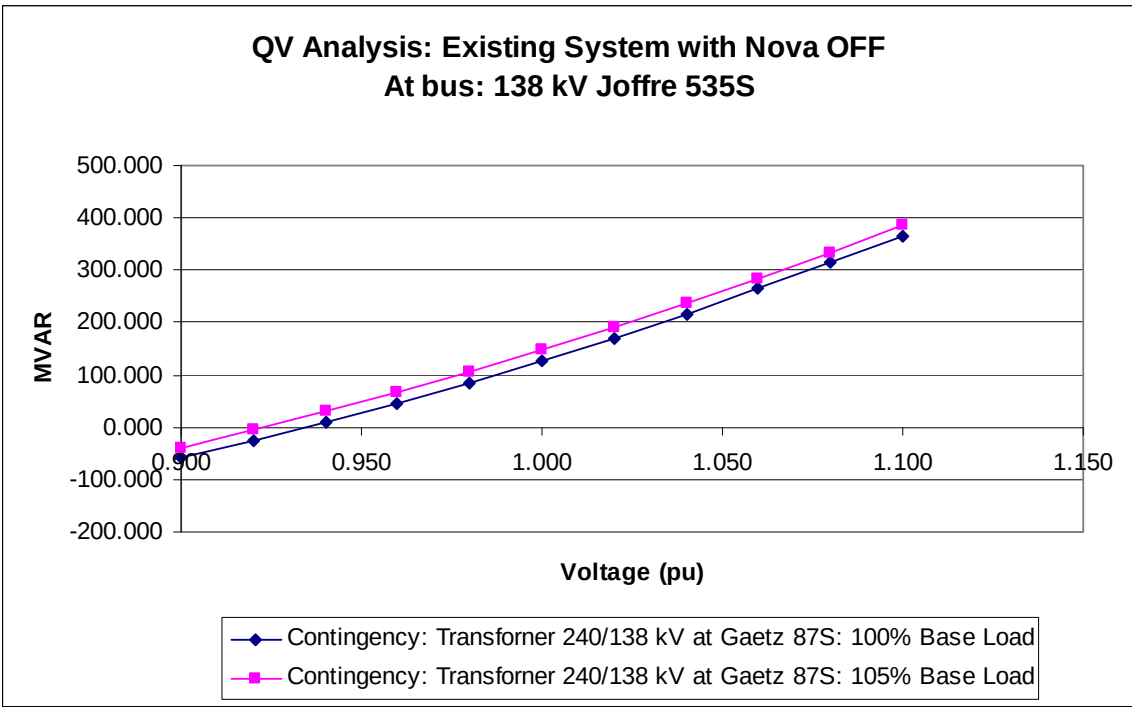
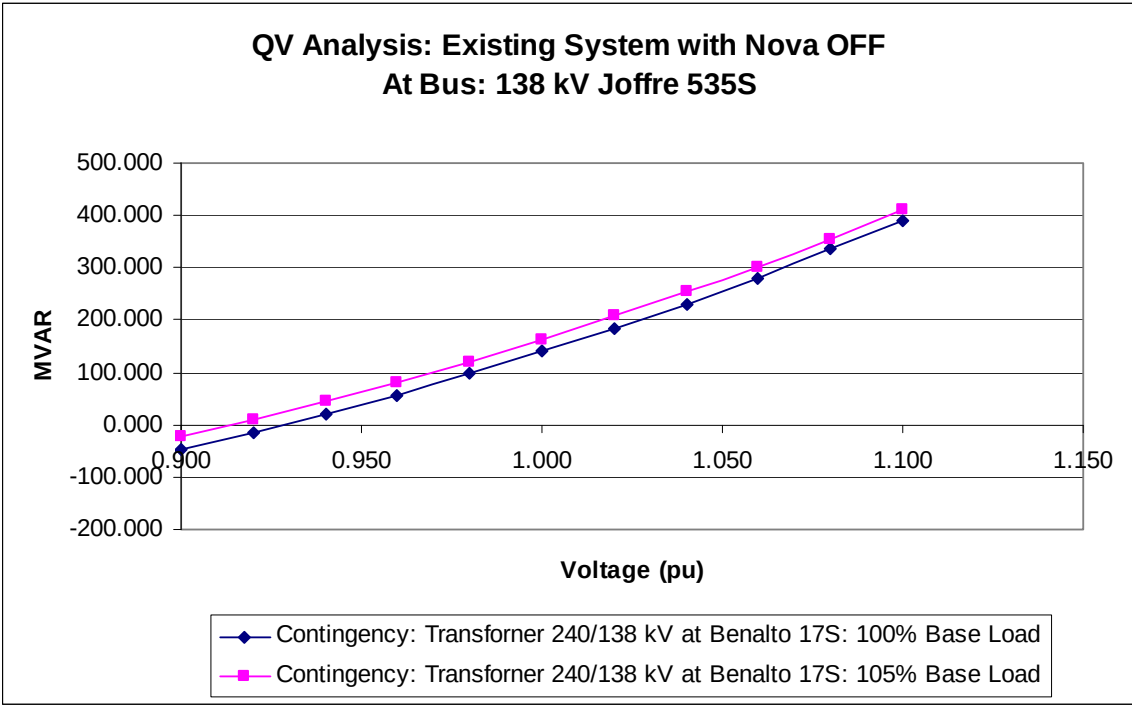
Summary of 2012 Existing System Q-V Analysis Results

**2012 Winter Peak with Nova OFF
(138 kV Bus at Joffre 535S)
(Bus No. 383)**

Bus 383: Joffre 535S 138 kV					
Figure No.	Most Critical Contingency		Maximum Reactive Margin (100% of base load)	Maximum Reactive Margin (105% of base load)	Compliance with WECC voltage stability criteria
Load Adequacy					
Fig 2012 Existing System QV-1		Base Case	9	28	No
	1	914L Gaetz87S to Red Deer 63S	67	87	No
	2	Transformer 240/138 kV at Benalto 17S	58	81	No
	3	Transformer 240/138 kV at Gaetz 87S	46	66	No

Fig 2012 Existing System QV-1

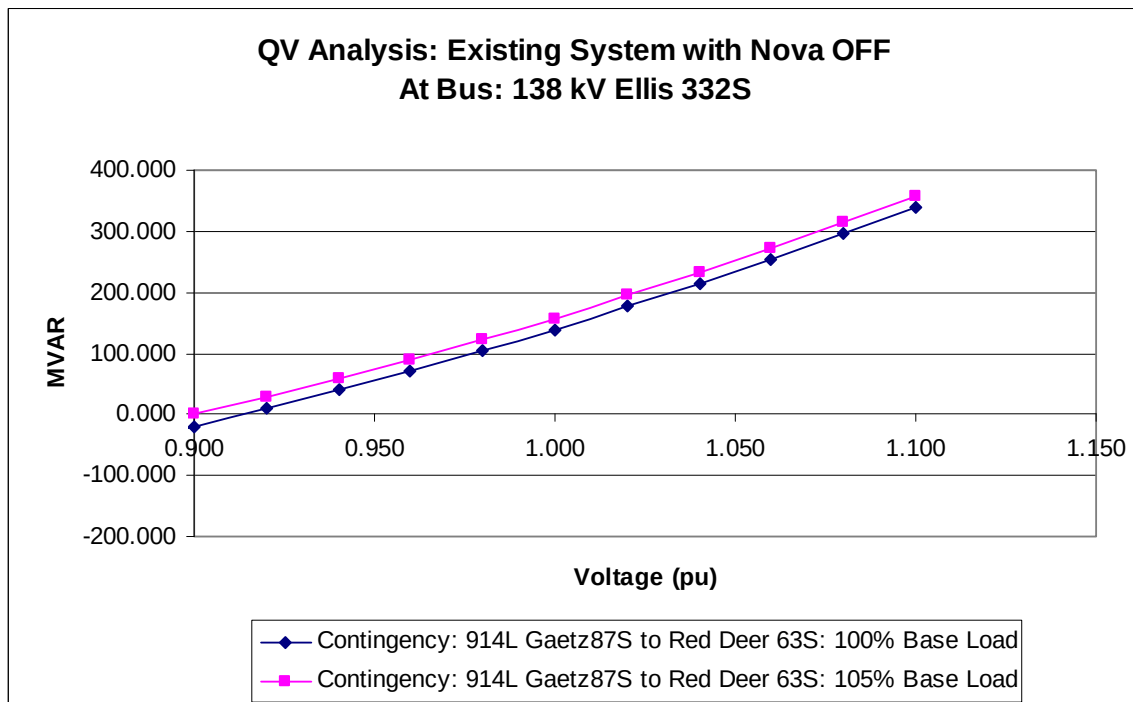
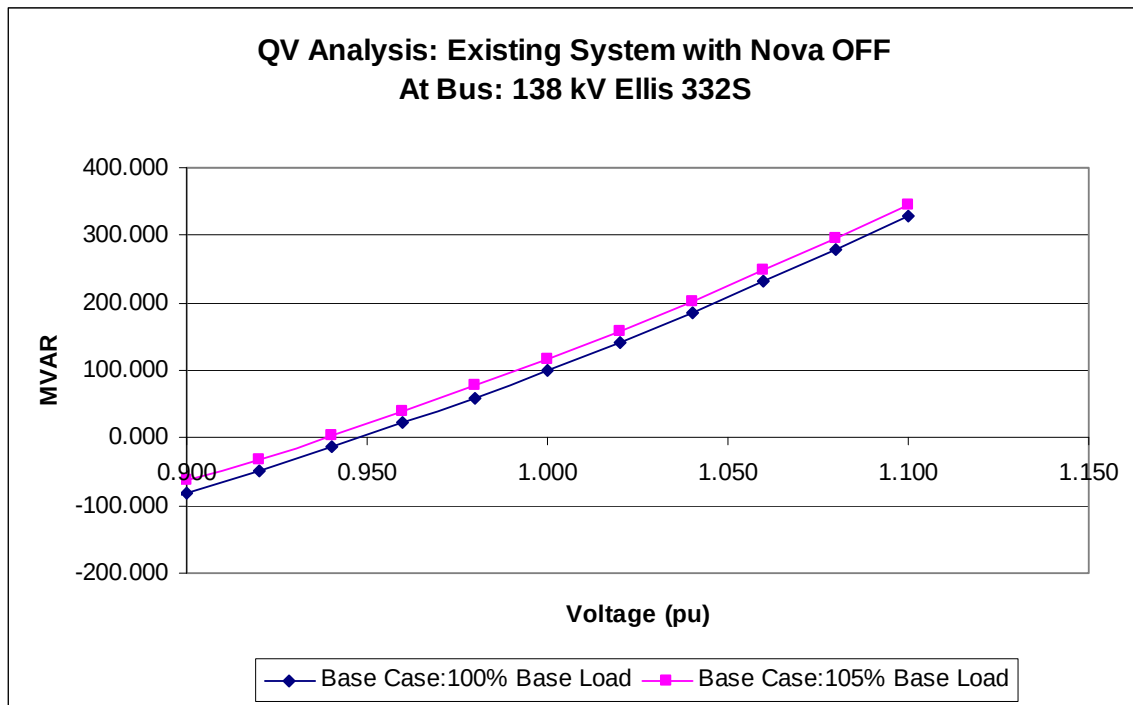


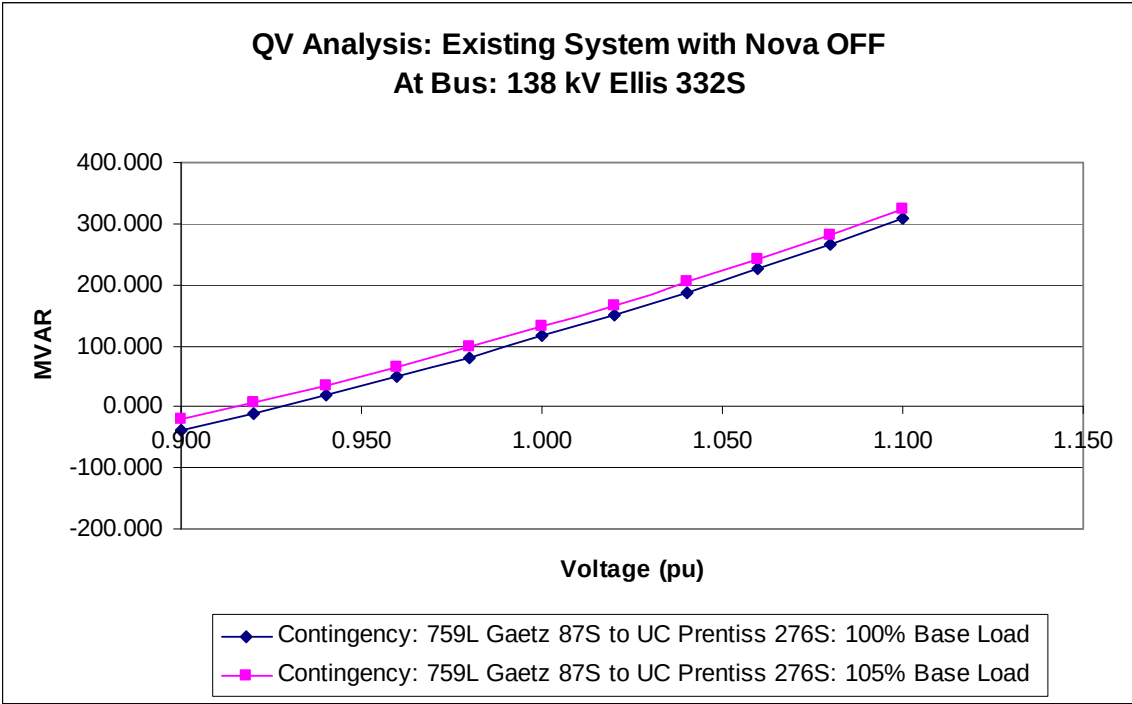
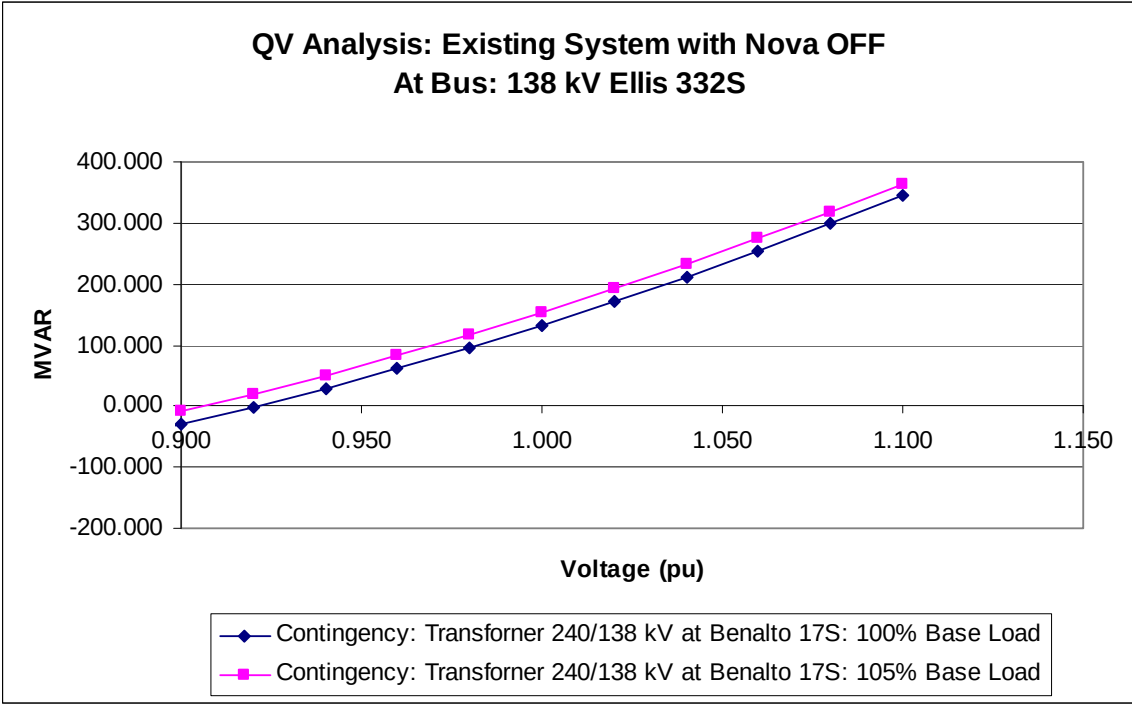


**2012 Winter Peak- Alternative 1 (Nova Off)
(138 kV Bus at Ellis 332S)**

Bus 388: Ellis 332S 138 kV					
Figure No.	Most Critical Contingency		Maximum Reactive Margin (100% of base load)	Maximum Reactive Margin (105% of base load)	Compliance with WECC voltage stability criteria
Load Adequacy					
Fig 2012 Existing System QV-2		Base Case	22	39	No
	1	914L Gaetz87S to Red Deer 63S	39	58	No
	2	Transformer 240/138 kV at Benalto 17S	29	51	No
	3	759L Gaetz 87S to UC Prentiss 276S	19	35	No

Fig 2012 Existing System QV-2

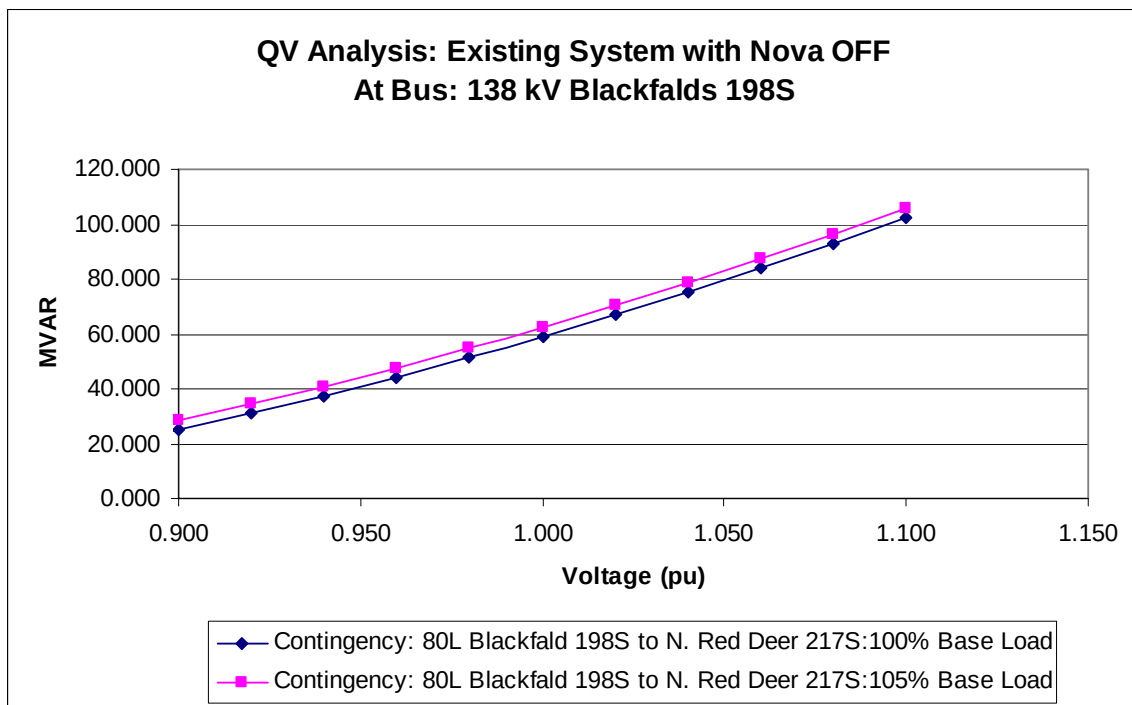
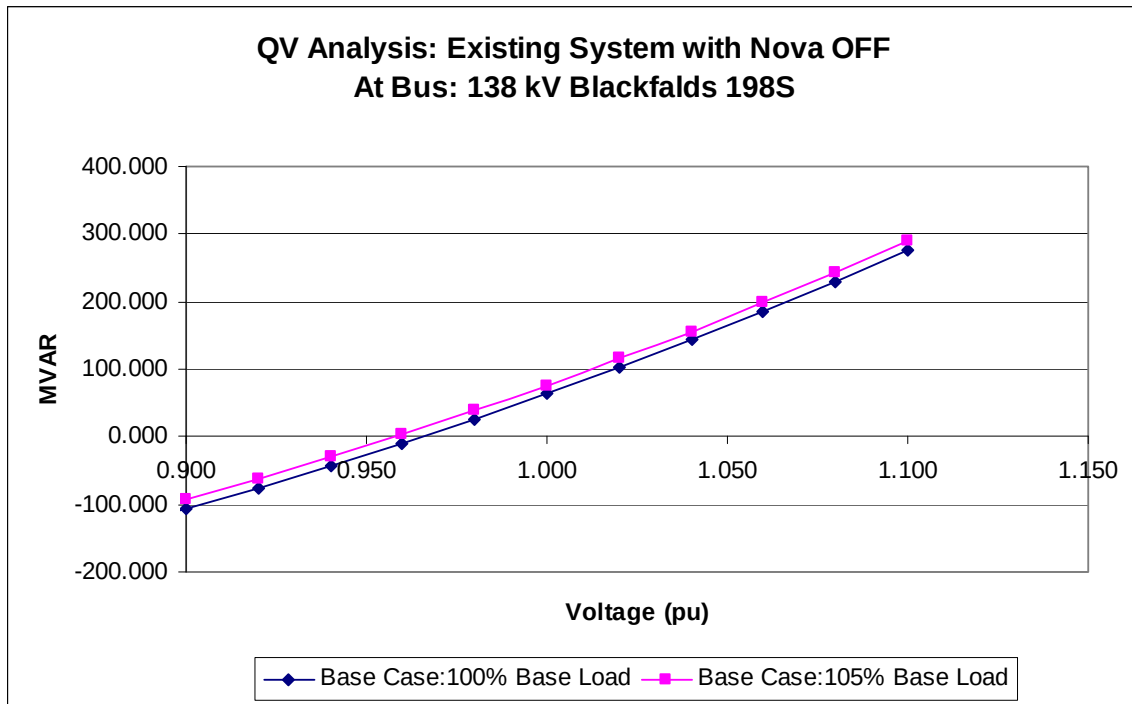


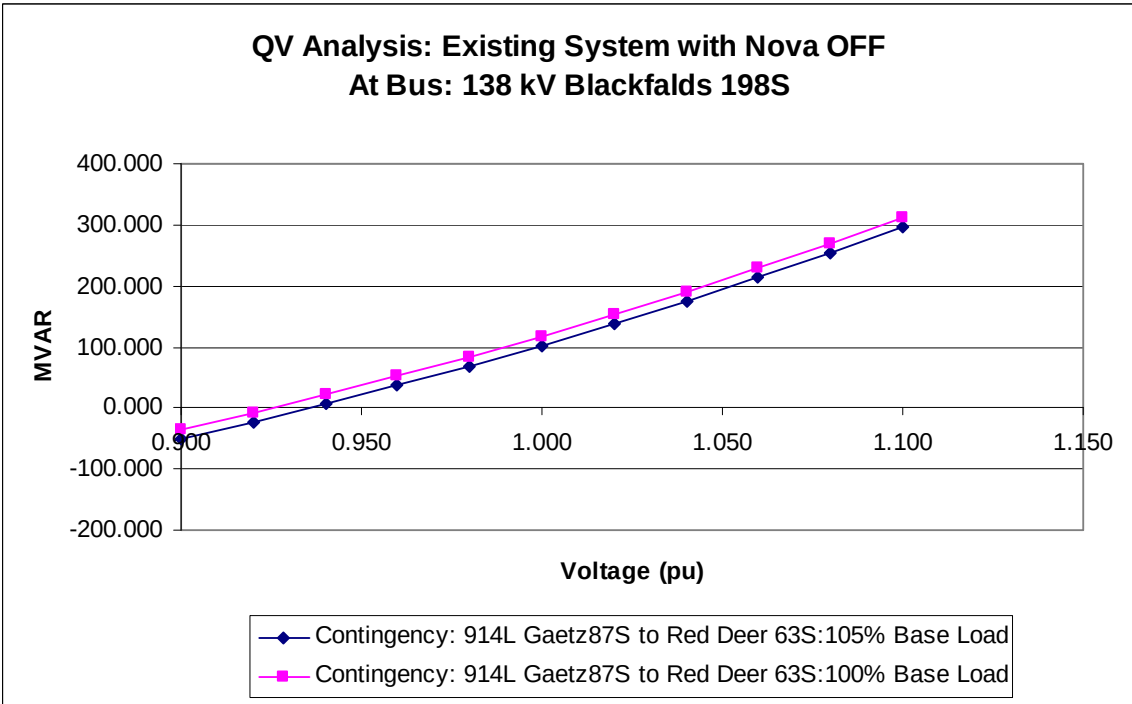
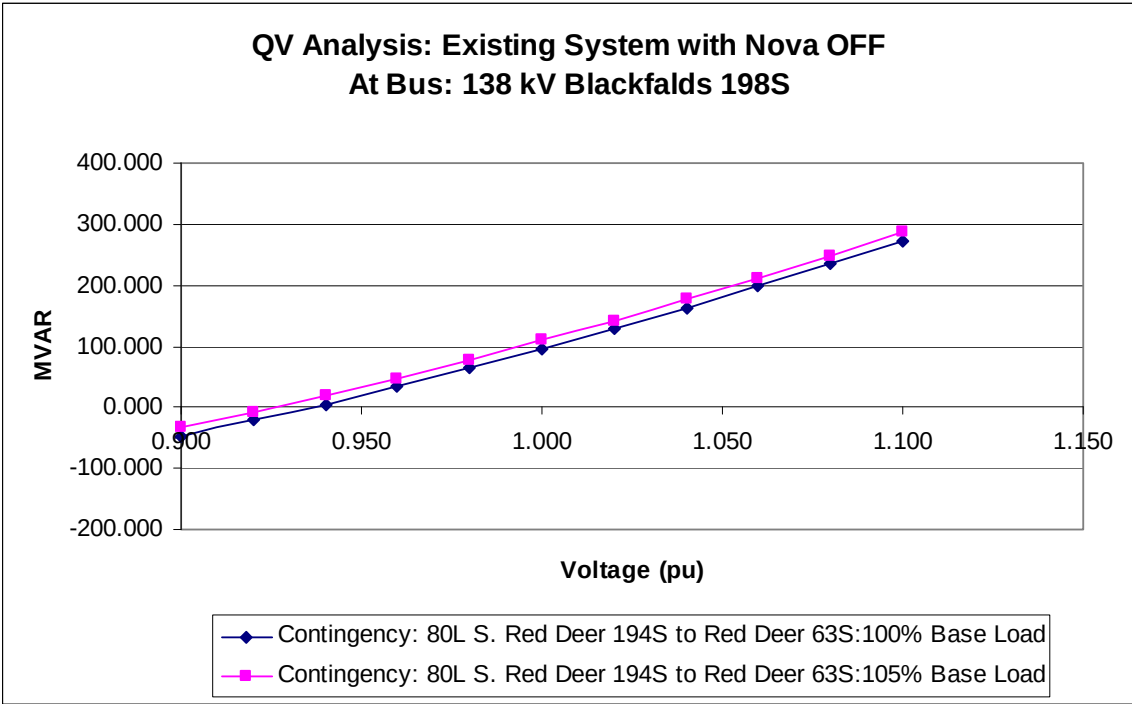


**2012 Winter Peak- Alternative 1 (Nova Off)
(138 kV Bus at Blackfalds 198S)**

Bus 113: Blackfalds 198S 138 kV					
Figure No.	Most Critical Contingency		Maximum Reactive Margin (100% of base load)	Maximum Reactive Margin (105% of base load)	Compliance with WECC voltage stability criteria
Load Adequacy					
Fig 2012 Existing System QV-3		Base Case	-9	4	No
	1	80L Blackfalds 198S to N. Red Deer 217S	37	41	No
	2	80L Blackfalds 198S to W. Lacombe 958S	6	20	No
	3	914L Gaetz87S to Red Deer 63S	6	22	No

Fig 2012 Existing System QV-3

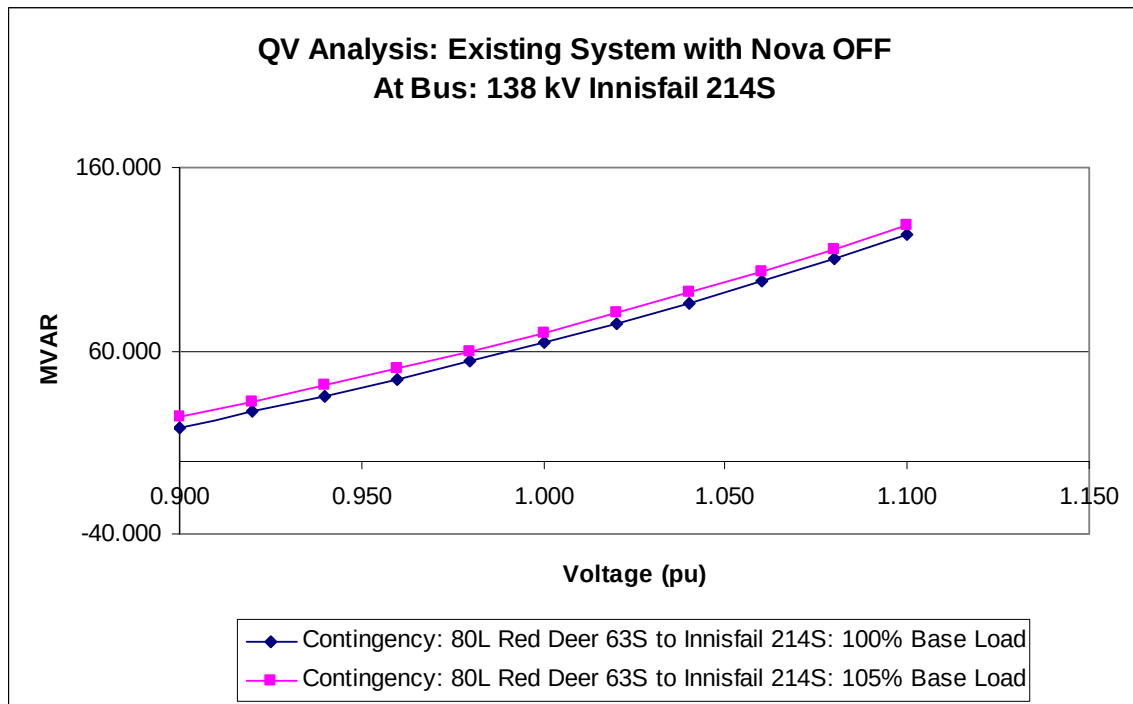
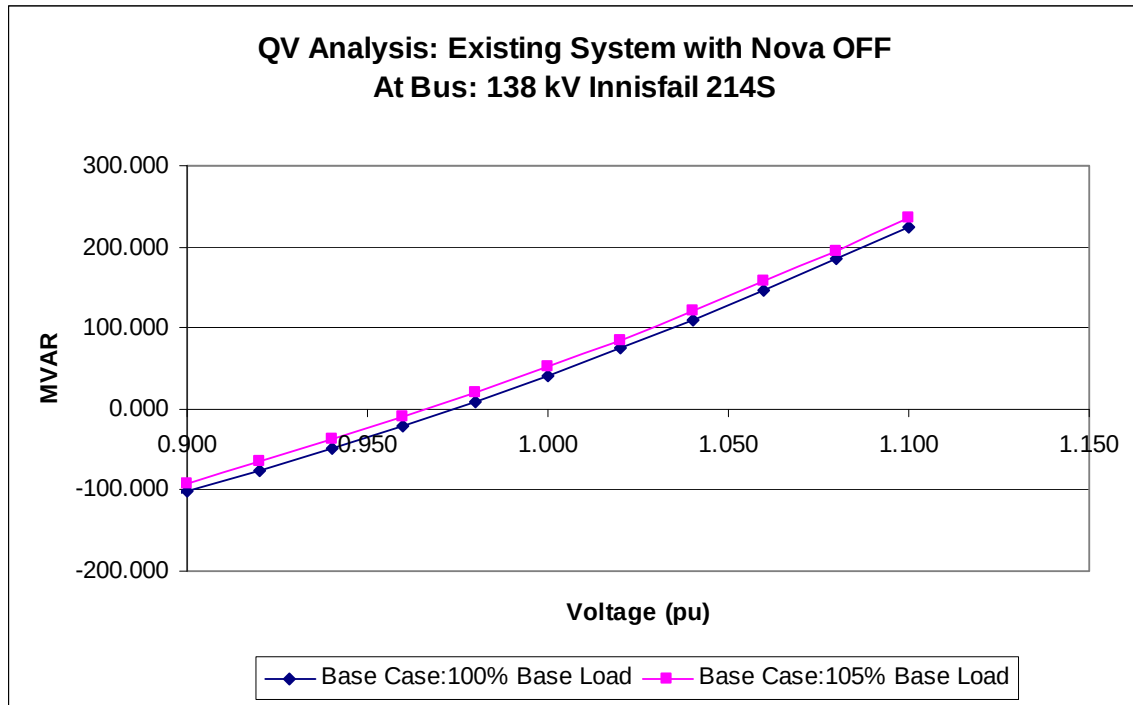


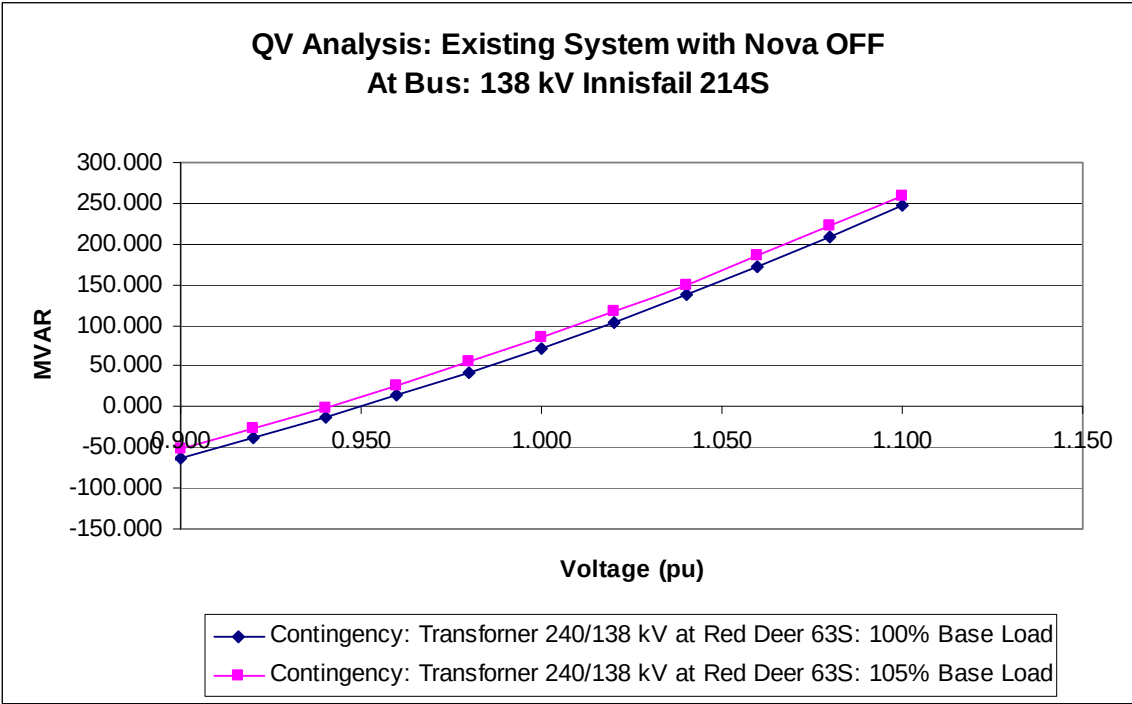
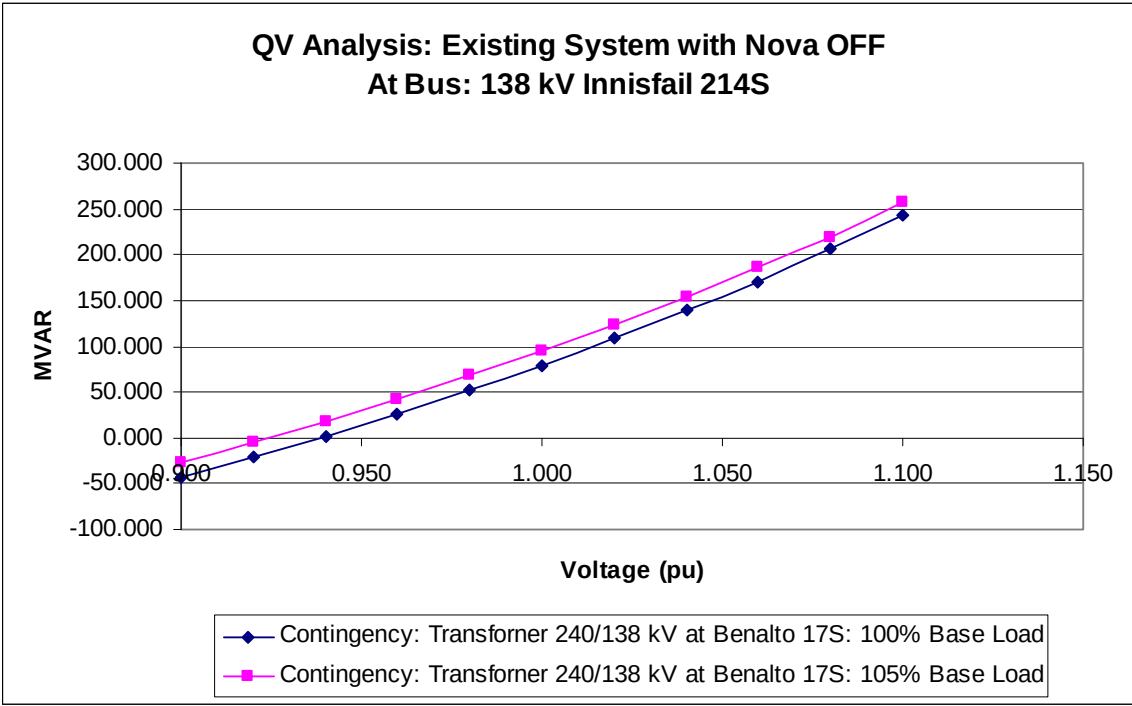


**2012 Winter Peak- Alternative 1 (Nova Off)
(138 kV Bus at Innisfail 214S)**

Bus 120: Innisfail 214S 138 kV					
Figure No.	Most Critical Contingency		Maximum Reactive Margin (100% of base load)	Maximum Reactive Margin (105% of base load)	Compliance with WECC voltage stability criteria
Load Adequacy					
Fig 2012 Existing System QV-4		Base Case	-20	-9	Yes
	1	80L Red Deer 63S to Innisfail 214S	45	50	No
	2	80L Olds 55S to Didsbury 152S	26	42	No
	3	80L Innisfail 214S to Olds 55S	14	27	No

Fig 2012 Existing System QV-4





Existing System Transfer Analysis

Existing-2012WP-TLTG-Result

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, FEB 24 2011 10:32
 CENTRAL AREA STUDY
 2012 WINTER PEAK BASE CASE REVISION 6.5
 *** TLTG EXPORT LIMIT OUTPUT FOR BASE CASE ***

DISTRIBUTION FACTOR FILE: C:\Documents and Settings\zheny2\My Documents\AESO-RED DEER\Planning
 08-2009\50_Modeling\TLTG(Transfer Capability Study)\
 SUBSYSTEM DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AESO-RED DEER\Planning
 08-2009\50_Modeling\TLTG(Transfer Capability Study)\
 MONITORED ELEMENT FILE: C:\Documents and Settings\zheny2\My Documents\AESO-RED DEER\Planning
 08-2009\50_Modeling\TLTG(Transfer Capability Study)\
 CONTINGENCY DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AESO-RED DEER\Planning
 08-2009\50_Modeling\TLTG(Transfer Capability Study)\

	PRE-SHIFT	DELTA	POST-SHIFT
STUDY SYSTEM MW GENERATION:	8592.3	100.0	8692.3
OPPOSING SYSTEM MW GENERATION:	861.0	-100.0	761.0
STUDY SYSTEM NET INTERCHANGE:	1762.3	100.0	1862.3

<----- STUDY SYSTEM ----->						<----- OPPOSING SYSTEM ----->									
<----- GENERATOR MW ----->						<----- GENERATOR MW ----->									
BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE	BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE
14		WESGEN 9		13.800	15.3	15.5	0.2	416		ENMAX 1A		18.000	166.0	146.8	-19.2
54		DOW GEN2		14.400	60.0	61.0	1.0	417		ENMAX 1B		18.000	60.0	40.8	-19.2
129		SUND#1GN		18.000	302.0	305.0	3.0	418		ENMAX 1C		18.000	166.0	146.8	-19.2
130		SUND#3GN		20.000	370.0	374.0	4.0	3187		CECST		13.800	125.0	115.5	-9.5
338		SUND#2GN		18.000	302.0	305.0	3.0	3290		BALZ 3		13.800	40.0	35.7	-4.3
342		SUND#4GN		20.000	370.0	374.0	4.0	4187		CECGT		18.000	158.0	144.6	-13.4
345		SUND#5GN		20.000	380.0	384.0	4.0	4290		BALZ 1&2		13.800	65.0	59.0	-6.0
350		SUND#6GN		20.000	400.0	404.2	4.2	5261		BIOCEN		18.000	1.0	-2.0	-3.0
408		WHITEGE9		12.500	25.0	25.3	0.3	91512		ENMAXCC		13.800	80.0	73.9	-6.1
422		KEEP#1GN		19.000	448.0	452.0	4.0								
424		KEEP#2GN		19.000	409.0	413.0	4.0								
454		DOW GEN1		14.400	80.0	81.0	1.0								
490		GENES 39		22.000	460.0	465.2	5.2								
491		GENES 19		20.500	430.0	434.3	4.3								
492		GENES 29		20.500	430.0	434.3	4.3								
627		AIR LIQC		13.800	84.0	84.9	0.9								
1015		FORT NE9		13.800	40.0	40.5	0.5								
1035		RBW 4		13.800	20.0	20.5	0.5								
1089		DIASHOW9		13.800	30.0	30.4	0.4								
1141		P&G 9		13.800	32.0	32.3	0.3								
1148		HR MILN9		15.000	140.0	141.5	1.5								
1171		VALLEYVI		13.800	25.0	25.5	0.5								

				Existing-2012WP-TLTG-Result	
1173	VALLEYG2	13.800	20.0	20.5	0.5
2030	DOWSTG 9	14.700	45.0	45.5	0.5
2031	DOWGTG 9	13.800	80.0	80.9	0.9
2248	MAHKE-G2	13.800	85.0	86.0	1.0
2405	CONKLIN2	13.800	80.0	80.9	0.9
2406	CONKLIN2	13.800	80.0	80.9	0.9
3050	REDW GT	13.800	40.0	40.6	0.6
3248	MAHKE-G1	13.800	84.0	85.0	1.0
3301	FCG1	13.800	40.0	40.4	0.4
3302	FCG2	13.800	40.0	40.4	0.4
4062	SHERRITT	4.1600	6.0	6.1	0.1
4185	SCOTF GT	13.800	82.0	83.0	1.0
7185	SCOTF ST	13.800	90.0	90.9	0.9
10236	MUSKEG4	13.800	76.5	77.4	0.9
12236	MUSKEG6	13.800	85.0	85.9	0.9
12249	LNGLKCG1	13.800	100.0	101.0	1.0
13249	LNGLKCG2	13.800	100.0	101.0	1.0
16218	SUNC_G19	13.800	34.0	34.3	0.3
16219	MIL_G3	13.800	50.0	50.7	0.7
16233	SYNC_UE5	13.800	71.2	72.1	0.8
17101	GPEP39	13.800	25.0	25.3	0.3
17209	SYNC_G39	13.800	18.4	18.7	0.3
17210	SYNC_G49	13.800	36.7	37.3	0.6
17233	SYNC_UE4	13.800	12.6	12.9	0.3
18142	BEARCK2	13.800	30.0	30.5	0.5
18206	AUR_GTG2	13.800	74.5	75.4	0.9
18207	AUR_GTG1	13.800	69.8	70.7	0.9
18208	MIL_G5 9	13.800	100.0	101.3	1.3
18209	SYNC_G29	13.800	37.7	38.3	0.6
18210	SYNC_G59	13.800	18.4	18.7	0.3
18218	SUNC G29	13.800	13.1	13.4	0.3
18223	TAR-GN-2	13.800	70.0	70.8	0.8
18264	HORUP7	13.800	77.7	78.6	0.9
18274	MACKAY2	18.000	160.0	161.6	1.6
18302	PRIM GEN	13.800	80.0	80.9	0.9
19142	BEARCK3	13.800	30.0	30.4	0.4
19208	MIL_G6 9	13.800	90.0	91.3	1.3
19209	SYNC_G19	13.800	37.7	38.3	0.6
19210	SYNC_G69	13.800	27.9	28.6	0.7
19264	HORUP6	13.800	14.6	14.7	0.2
19268	HORUP10	13.800	80.0	80.9	0.9
90101	CBAR GT1	13.800	20.0	20.5	0.5
90102	CBAR GT2	13.800	50.0	51.0	1.0
90103	CBAR GT3	13.800	50.0	51.0	1.0
90351	KEEUN3	22.000	480.0	485.2	5.2
90517	SH_UG32	13.800	18.0	18.2	0.2
91513	DRLDB1	13.800	20.0	20.5	0.5
91514	DRLDB2	13.800	20.0	20.5	0.5

Existing-2012WP-TLTG-Result

91521	BIOMASS1	12.500	33.0	33.3	0.3
91522	BIOMASS2	12.500	33.0	33.3	0.3
95275	PCOSI_G2	13.800	60.0	60.7	0.7
96083	SHELLCM2	18.000	200.0	202.2	2.2
96118	POPLAR05	13.800	85.0	86.0	1.0
97247	SURMONT 13	13.800	73.8	74.7	0.9
97275	G-L_CG2	13.800	163.6	165.5	1.9
97276	G-L_CG3	13.800	161.6	163.5	1.9
97277	G-L_CG4	13.800	80.0	80.9	0.9
97361	DEER CK	13.813.800	81.0	81.9	0.9

LOADINGS AT OR ABOVE 100.0 %
OF RATING ARE MARKED WITH '*'

<----- F R O M ----->					<----- T O ----->					BASE CASE <----->				
										INCR.	PRE-	POST-	LIMIT	
										TRANS	RATING	SHIFT	SHIFT	DISTR.
										CAPAB	A	MW	MW	FACTOR
128	ELLERSLI	240.00	81	BIGSTON4	240.00	14	934.2	481	341.9	356.8	481.0*	0.14892		
101	COOKING7	138.00	65	BARDO 7	138.00	74	1000.8	85	65.7	67.6	83.7	0.01930		
155	BENALTO4	240.00	135	SUNDANC4	240.00	26	1101.4	466	-301.5	-316.5	-441.0	-0.14933		
135	SUNDANC4	240.00	155	BENALTO4	240.00	26	1101.4	466	301.5	316.5	441.0	0.14933		
135	SUNDANC4	240.00	155	BENALTO4	240.00	22	1108.5	466	300.8	315.7	440.0	0.14907		
155	BENALTO4	240.00	135	SUNDANC4	240.00	22	1108.5	466	-300.8	-315.7	-440.0	-0.14907		
152	RED DEE4	240.00	155	BENALTO4	240.00	00	1185.3	466	-347.5	-357.5	-440.9	-0.10001		
155	BENALTO4	240.00	187	BEDDING1	240.00	18	1210.0	417	208.3	225.5	369.4	0.17251		
123	DIDSBUY	138.00	982	MADDEN T	138.00	80	1270.9	122	64.3	68.8	106.7	0.04544		
120	INNISFA7	138.00	121	OLDS 7	138.00	80	1334.3	122	85.2	88.0	111.0	0.02758		
155	BENALTO4	240.00	161	SARCEE 4	240.00	06	1395.9	449	255.7	269.5	385.1	0.13849		
155	BENALTO4	240.00	161	SARCEE 4	240.00	28	1404.3	449	254.5	268.4	383.9	0.13847		
152	RED DEE4	240.00	128	ELLERSLI	240.00	10	1460.6	466	-242.4	-257.8	-385.4	-0.15306		
128	ELLERSLI	240.00	152	RED DEE4	240.00	10	1460.6	466	242.4	257.8	385.4	0.15306		
152	RED DEE4	240.00	988	CROSSF T	240.00	01	1600.0	408	173.5	188.2	310.4	0.14657		
99	BENALTO7	138.00	155	BENALTO4	240.00	T2	1630.9	200	-168.7	-170.6	-186.6	-0.01921		
115	S RED DE	138.00	119	N RED D7	138.00	80	1680.9	121	-58.0	-61.8	-93.0	-0.03748		
93	WETASKI7	138.00	95	PONOKA 7	138.00	16	1821.8	122	51.5	55.4	87.7	0.03868		
118	RED DE B	138.00	120	INNISFA7	138.00	80	1851.0	172	121.0	123.7	146.7	0.02758		
81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	1852.5	499	207.8	223.5	354.7	0.15719		
25	ENTWIST8	69.000	28	MOON LA8	69.000	29	1951.8	29	15.7	16.4	22.1	0.00683		
155	BENALTO4	240.00	420	KEEPHIL4	240.00	90	2048.1	466	-231.7	-243.2	-338.6	-0.11439		
420	KEEPHIL4	240.00	155	BENALTO4	240.00	90	2048.1	466	231.7	243.2	338.6	0.11439		
20	EDSON 7	138.00	39	CYNTHIA7	138.00	02	2075.7	85	28.9	31.6	54.1	0.02704		
420	KEEPHIL4	240.00	155	BENALTO4	240.00	03	2083.6	466	229.7	241.1	335.7	0.11340		
155	BENALTO4	240.00	420	KEEPHIL4	240.00	03	2083.6	466	-229.7	-241.1	-335.7	-0.11340		
107	SUNDRE 7	138.00	370	SHELL C7	138.00	19	2189.3	120	-80.9	-82.7	-97.6	-0.01786		
113	BLACKFA7	138.00	116	W LACOMB	138.00	80	2398.5	96	-3.2	-7.1	-39.4	-0.03868		
152	RED DEE4	240.00	160	JANET 4	240.00	29	2426.7	481	154.5	168.0	280.2	0.13455		
152	RED DEE4	240.00	160	JANET 4	240.00	25	2427.8	481	154.5	167.9	280.1	0.13450		
68	N HOLDE7	138.00	65	BARDO 7	138.00	74	2594.2	85	-53.5	-54.7	-64.9	-0.01214		
117	RED DE A	138.00	118	RED DE B	138.00	1	2626.9	121	48.1	50.9	74.1	0.02773		
121	OLDS 7	138.00	123	DIDSBUY	138.00	80	2657.4	122	48.7	51.5	74.5	0.02758		

Existing-2012WP-TLTG-Result												
95	PONOKA 7	138.00	116	W LACOMB	138.00	80	2720.7	122	16.8	20.6	52.9	0.03868
147	GAETZ 4	240.00	152	RED DEE4	240.00	14	2797.0	499	79.6	94.6	219.7	0.14996
91	NISKU 7	138.00	93	WETASKI7	138.00	58	3109.4	96	17.2	19.7	40.9	0.02534
124	HARMATT7	138.00	957	166L JNC	138.00	66	3215.4	78	20.6	22.4	37.3	0.01786
374	BIGSTON7	138.00	804	803/804X	138.00	04	3277.0	126	105.8	106.4	111.5	0.00617
766	VER_TAP	138.00	79	BUFFALO7	138.00	29	3401.8	114	-6.4	-2.8	26.7	0.03539
93	WETASKI7	138.00	803	803/804N	138.00	04	3402.2	126	-105.0	-105.6	-110.8	-0.00617
123	DIDSBURY	138.00	957	166L JNC	138.00	66	3643.6	81	-15.9	-17.7	-32.6	-0.01786
107	SUNDRE 7	138.00	883	EAGLE TP	138.00	19	3891.4	120	50.5	52.3	67.2	0.01786
76	IPPL ST7	138.00	14001	HEISLERTAP	138.00	1	3902.2	95	-20.5	-17.5	7.1	0.02960
113	BLACKFA7	138.00	119	N RED D7	138.00	80	4100.9	122	-36.6	-32.8	-0.5	0.03868
124	HARMATT7	138.00	883	EAGLE TP	138.00	19	4571.9	120	-38.3	-40.1	-55.0	-0.01786
115	S RED DE	138.00	117	RED DE A	138.00	80	4731.7	174	-3.3	0.4	31.7	0.03748
104	STRACHA7	138.00	890	AMOCO TP	138.00	19	5709.2	120	87.8	88.4	93.1	0.00564
862	PV-TAP7	138.00	362	EDGERTO7	138.00	49	5990.4	88	-16.1	-14.3	0.2	0.01737
155	BENALTO4	240.00	995	W.GRN TP	240.00	95	6148.7	466	-204.7	-208.9	-244.4	-0.04250
96	DEVON 7	138.00	365	BUFORD 7	138.00	38	6406.0	121	28.5	29.9	42.0	0.01444
105	PIGEON 7	138.00	374	BIGSTON7	138.00	05	7768.5	85	-27.2	-25.8	-13.7	0.01444
356	BON GLE7	138.00	365	BUFORD 7	138.00	38	7815.8	121	-8.1	-9.6	-21.6	-0.01444
383	JOFFRE 7	138.00	664	PIPER CR	138.00	55	8005.7	120	52.5	53.3	60.4	0.00843
105	PIGEON 7	138.00	356	BON GLE7	138.00	37	8941.9	119	10.1	8.7	-3.3	-0.01444
99	BENALTO7	138.00	882	SCHRA TP	138.00	48	9197.2	174	61.6	62.8	73.0	0.01222
70	CAMROSE7	138.00	946	KING TAP	138.00	30	10181.8	85	-12.0	-12.8	-18.7	-0.00717
65	BARDO 7	138.00	946	KING TAP	138.00	30	10302.6	86	12.2	12.9	18.9	0.00717
881	RAVEN TP	138.00	890	AMOCO TP	138.00	19	10547.4	120	-60.5	-61.1	-65.8	-0.00564
370	SHELL C7	138.00	882	SCHRA TP	138.00	48	10548.1	174	-45.1	-46.3	-56.5	-0.01222
370	SHELL C7	138.00	881	RAVEN TP	138.00	19	11373.9	120	-55.8	-56.4	-61.1	-0.00564
423	KEEPPHIL7	138.00	49	KEYSTON7	138.00	34	11944.5	158	54.8	55.7	62.9	0.00864
118	RED DE B	138.00	664	PIPER CR	138.00	55	13914.3	120	-2.6	-3.5	-10.5	-0.00843
70	CAMROSE7	138.00	94	ERVICK 7	138.00	29	14449.7	85	-18.5	-17.8	-11.9	0.00717
94	ERVICK 7	138.00	899	TRUE W T	138.00	29	16547.0	85	-33.6	-32.9	-26.9	0.00717
99	BENALTO7	138.00	100	ROCKY M7	138.00	17	16916.8	112	16.6	17.1	21.9	0.00564
93	WETASKI7	138.00	899	TRUE W T	138.00	29	18141.0	96	34.0	33.3	27.3	-0.00717
100	ROCKY M7	138.00	104	STRACHA7	138.00	70	23519.2	120	-12.7	-12.1	-7.4	0.00564
803	803/804N	138.00	804	803/804X	138.00	03	23744.5	126	-52.7	-53.0	-55.6	-0.00309
803	803/804N	138.00	804	803/804X	138.00	04	23744.5	126	-52.7	-53.0	-55.6	-0.00309
118	RED DE B	138.00	152	RED DEE4	240.00	T2	26718.1	200	-65.3	-64.3	-56.1	0.00993
117	RED DE A	138.00	152	RED DEE4	240.00	T1	27105.8	200	-64.1	-63.1	-55.0	0.00974
147	GAETZ 4	240.00	148	GAETZ 7	138.00	T2	37798.5	200	62.4	62.8	65.8	0.00364
147	GAETZ 4	240.00	148	GAETZ 7	138.00	T1	38580.0	200	61.5	61.9	64.9	0.00359
81	BIGSTON4	240.00	374	BIGSTON7	138.00	T1	40345.2	200	133.7	132.9	126.0	-0.00827
148	GAETZ 7	138.00	383	JOFFRE 7	138.00	56	54144.1	154	-26.0	-25.7	-22.9	0.00333
148	GAETZ 7	138.00	383	JOFFRE 7	138.00	93	54159.7	154	-26.0	-25.7	-22.9	0.00332
152	RED DEE4	240.00	1422	NEVIS 4	240.00	12	63725.1	499	47.3	48.0	53.9	0.00709
99	BENALTO7	138.00	780	SYLV_138	138.00	1	72160.0	128	30.6	30.7	31.9	0.00135
148	GAETZ 7	138.00	384	UC PRENT	138.00	59	75581.5	154	19.0	19.2	20.7	0.00179
118	RED DE B	138.00	780	SYLV_138	138.00	1	91785.5	128	-4.8	-5.0	-6.1	-0.00134
95	PONOKA 7	138.00	192	NELSON L	138.00	1	>99999.	96	8.5	8.5	8.5	0.00000

Existing-2012WP-TLTG-Result												
97	ECKVILL7	138.00	956	758L JCT	138.00	58	>99999.	85	-19.1	-19.1	-19.1	0.00000
98	RIMBEY 7	138.00	956	758L JCT	138.00	57	>99999.	85	-26.5	-26.5	-26.5	0.00000
99	BENALTO7	138.00	956	758L JCT	138.00	57	>99999.	85	46.1	46.1	46.1	0.00000
114	LACOMBE7	138.00	116	W LACOMB	138.00	80	>99999.	75	-13.3	-13.3	-13.3	0.00000
119	N RED D7	138.00	802	787LSKP2	138.00	78	>99999.	180	-156.4	-156.3	-155.3	0.00121
122	MADDEN 7	138.00	982	MADDEN T	138.00	89	>99999.	75	-16.2	-16.2	-16.2	0.00000
124	HARMATT7	138.00	97619	HGF1	138.00	01	>99999.	174	0.6	0.6	0.6	0.00000
126	SHELL H7	138.00	957	166L JNC	138.00	66	>99999.	85	-4.6	-4.6	-4.6	0.00000
142	KINGMAN7	138.00	946	KING TAP	138.00	32	>99999.	86	0.0	0.0	0.0	0.00000
148	GAETZ 7	138.00	801	787LSKP1	138.00	78	>99999.	180	157.0	156.8	155.8	-0.00121
152	RED DEE4	240.00	93700	RED DEER	LUM25.000	T1	>99999.	240	0.0	0.0	0.0	0.00000
205	AMOCO R7	138.00	257	LIMESTO7	138.00	64	>99999.	121	19.4	19.4	19.4	0.00000
205	AMOCO R7	138.00	890	AMOCO TP	138.00	19	>99999.	121	-24.5	-24.5	-24.5	0.00000
354	NOVA C17	138.00	383	JOFFRE 7	138.00	1	>99999.	327	128.9	128.9	128.9	0.00000
355	NOVA C27	138.00	383	JOFFRE 7	138.00	2	>99999.	327	146.6	146.6	146.6	0.00000
382	SHELL RA	138.00	881	RAVEN TP	138.00	19	>99999.	121	-4.5	-4.5	-4.5	0.00000
383	JOFFRE 7	138.00	384	UC PRENT	138.00	75	>99999.	154	58.1	58.0	57.2	-0.00090
383	JOFFRE 7	138.00	398	BROOKFLD	138.00	89	>99999.	125	5.0	5.0	5.0	0.00000
383	JOFFRE 7	138.00	975	COMINTAP	138.00	84	>99999.	154	64.1	64.0	63.2	-0.00089
384	UC PRENT	138.00	388	ELLIS 7	138.00	74	>99999.	154	-27.3	-27.3	-26.5	0.00089
385	SHELL SC	138.00	882	SCHRA TP	138.00	48	>99999.	121	-15.2	-15.2	-15.2	0.00000
386	SHELL EA	138.00	883	EAGLE TP	138.00	19	>99999.	121	-11.5	-11.5	-11.5	0.00000
387	COMINCO7	138.00	975	COMINTAP	138.00	84	>99999.	101	-5.2	-5.2	-5.2	0.00000
388	ELLIS 7	138.00	975	COMINTAP	138.00	84	>99999.	154	-58.5	-58.4	-57.6	0.00089
440	TRUE WEL	138.00	899	TRUE W T	138.00	29	>99999.	98	0.0	0.0	0.0	0.00000
801	787LSKP1	138.00	802	787LSKP2	138.00	68	>99999.	180	78.5	78.4	77.9	-0.00060
801	787LSKP1	138.00	802	787LSKP2	138.00	78	>99999.	180	78.5	78.4	77.9	-0.00060

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, FEB 24 2011 10:32
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 6.5

CONTINGENCY SINGLE 12:
OPEN LINE FROM BUS 155 [BENALTO4 240.00] TO BUS 99 [BENALTO7 138.00] CKT T2

INSOLUBLE CASE: UNABLE TO RELIEVE PRE-SHIFT SOLUTION OVERLOADS
WITHOUT CAUSING ADDITIONAL OVERLOADING

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, FEB 24 2011 10:32
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 6.5

*** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

SOLUTION OF 93 SYSTEM CONDITIONS ATTEMPTED 1 INSOLUBLE SYSTEM CONDITIONS
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INCR. TRANS CAPAB	CONTINGENCY	DESCRIPTION	LIMITING ELEMENT	DISTR. FACTOR	PRE- SHIFT MW	RATING BAS/CNT A/A	OPEN	155	[BENALTO4
----->	----->	----->	----->	----->	----->	----->	----->	----->	----->
-4461.9	148	GAETZ 7	138.00 801 787LSKP1	138.00 78 0.00288	192.9	180.0	OPEN	155	[BENALTO4
240.00]	TO 99	[BENALTO7	138.00] CKT T2						
-4273.7	119	N RED D7	138.00 802 787LSKP2	138.00 78 -0.00288	-192.3	180.0	OPEN	155	[BENALTO4
240.00]	TO 99	[BENALTO7	138.00] CKT T2						
-3053.1	148	GAETZ 7	138.00 801 787LSKP1	138.00 78 0.00490	195.0	180.0	OPEN	383	[JOFFRE 7
138.00]	TO 664	[PIPER CR	138.00] CKT 55						
-2942.4	119	N RED D7	138.00 802 787LSKP2	138.00 78 -0.00490	-194.4	180.0	OPEN	383	[JOFFRE 7
138.00]	TO 664	[PIPER CR	138.00] CKT 55						
-835.3	99	BENALTO7	138.00 155 BENALTO4	240.00 T2 -0.03716	-231.0	200.0	OPEN	152	[RED DEE4
240.00]	TO 155	[BENALTO4	240.00] CKT 00						
-560.6	374	BIGSTON7	138.00 804 803/804X	138.00 04 0.03728	146.9	126.0	OPEN	147	[GAETZ 4
240.00]	TO 81	[BIGSTON4	240.00] CKT 14						
-539.9	93	WETASKI7	138.00 803 803/804N	138.00 04 -0.03728	-146.1	126.0	OPEN	147	[GAETZ 4
240.00]	TO 81	[BIGSTON4	240.00] CKT 14						
-497.7	107	SUNDRE 7	138.00 370 SHELL C7	138.00 19 -0.03020	-135.0	120.0	OPEN	118	[RED DE B
138.00]	TO 120	[INNISFA7	138.00] CKT 80						
-390.2	117	RED DE A	138.00 118 RED DE B	138.00 1 0.03771	135.7	121.0	OPEN	155	[BENALTO4
240.00]	TO 99	[BENALTO7	138.00] CKT T2						
-285.0	148	GAETZ 7	138.00 801 787LSKP1	138.00 78 0.02046	185.8	180.0	OPEN	93	[WETASKI7
138.00]	TO 95	[PONOKA 7	138.00] CKT 16						
-258.5	119	N RED D7	138.00 802 787LSKP2	138.00 78 -0.02046	-185.3	180.0	OPEN	93	[WETASKI7
138.00]	TO 95	[PONOKA 7	138.00] CKT 16						
-248.5	120	INNISFA7	138.00 121 OLDS 7	138.00 80 0.03778	131.4	122.0	OPEN	107	[SUNDRE 7
138.00]	TO 370	[SHELL C7	138.00] CKT 19						
-197.1	148	GAETZ 7	138.00 801 787LSKP1	138.00 78 0.06716	193.2	180.0	OPEN	147	[GAETZ 4
240.00]	TO 152	[RED DEE4	240.00] CKT 14						
-189.0	119	N RED D7	138.00 802 787LSKP2	138.00 78 -0.06716	-192.7	180.0	OPEN	147	[GAETZ 4
240.00]	TO 152	[RED DEE4	240.00] CKT 14						
-120.2	101	COOKING7	138.00 65 BARDO 7	138.00 74 0.01486	86.8	85.0	OPEN	93	[WETASKI7
138.00]	TO 899	[TRUE W T	138.00] CKT 29						
-102.7	101	COOKING7	138.00 65 BARDO 7	138.00 74 0.01486	86.5	85.0	OPEN	94	[ERVICK 7
138.00]	TO 899	[TRUE W T	138.00] CKT 29						
-46.4	118	RED DE B	138.00 780 SYLV_138	138.00 1 0.01386	128.6	128.0	OPEN	155	[BENALTO4
240.00]	TO 99	[BENALTO7	138.00] CKT T2						
32.1	107	SUNDRE 7	138.00 370 SHELL C7	138.00 19 -0.03020	-119.0	120.0	OPEN	120	[INNISFA7
138.00]	TO 121	[OLDS 7	138.00] CKT 80						
93.9	152	RED DEE4	240.00 155 BENALTO4	240.00 00 -0.16506	-450.5	466.0	OPEN	152	[RED DEE4
240.00]	TO 128	[ELLERSLI	240.00] CKT 10						
109.1	124	HARMATT7	138.00 957 166L JNC	138.00 66 0.03020	74.7	78.0	OPEN	118	[RED DE B
138.00]	TO 120	[INNISFA7	138.00] CKT 80						
128.8	118	RED DE B	138.00 120 INNISFA7	138.00 80 0.03778	167.1	172.0	OPEN	107	[SUNDRE 7
138.00]	TO 370	[SHELL C7	138.00] CKT 19						
155.9	152	RED DEE4	240.00 155 BENALTO4	240.00 00 -0.15143	-442.4	466.0	OPEN	155	[BENALTO4

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240.00] TO 161 [SARCEE 4	240.00] CKT 06	240.00 00 -0.15142	-442.0	466.0	OPEN	155	[BENALTO4
158.7 152 RED DEE4	240.00 155 BENALTO4						
240.00] TO 161 [SARCEE 4	240.00] CKT 28						
194.6 101 COOKING7	138.00 65 BARDO 7	138.00 74 0.01833	81.4	85.0	OPEN	81	[BIGSTON4
240.00] TO 374 [BIGSTON7	138.00] CKT T1						
199.6 152 RED DEE4	240.00 155 BENALTO4	240.00 00 -0.17008	-432.1	466.0	OPEN	155	[BENALTO4
240.00] TO 187 [BEDDING1	240.00] CKT 18						
199.7 101 COOKING7	138.00 65 BARDO 7	138.00 74 0.02020	81.0	85.0	OPEN	374	[BIGSTON7
138.00] TO 804 [803/804X	138.00] CKT 04						
204.2* 152 RED DEE4	240.00 155 BENALTO4	240.00 00 -0.11093	-443.3	466.0	OPEN	155	[BENALTO4
240.00] TO 99 [BENALTO7	138.00] CKT T2						
205.2* 101 COOKING7	138.00 65 BARDO 7	138.00 74 0.02020	80.9	85.0	OPEN	93	[WETASKI7
138.00] TO 803 [803/804N	138.00] CKT 04						
211.0 120 INNISFA7	138.00 121 OLDS 7	138.00 80 0.03778	114.0	122.0	OPEN	107	[SUNDRE 7
138.00] TO 883 [EAGLE TP	138.00] CKT 19						
249.5 383 JOFFRE 7	138.00 664 PIPER CR	138.00 55 0.00793	118.0	120.0	OPEN	148	[GAETZ 7
138.00] TO 801 [787LSKP1	138.00] CKT 78						
278.1 383 JOFFRE 7	138.00 664 PIPER CR	138.00 55 0.00793	117.8	120.0	OPEN	119	[N RED D7
138.00] TO 802 [787LSKP2	138.00] CKT 78						
278.5 115 S RED DE	138.00 119 N RED D7	138.00 80 -0.10244	-92.5	121.0	OPEN	147	[GAETZ 4
240.00] TO 152 [RED DEE4	240.00] CKT 14						
358.9 128 ELLERSLI	240.00 81 BIGSTON4	240.00 14 0.19302	411.7	481.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10						
362.2 123 DIDSBUY	138.00 957 166L JNC	138.00 66 -0.03020	-70.1	81.0	OPEN	118	[RED DE B
138.00] TO 120 [INNISFA7	138.00] CKT 80						
378.5 155 BENALTO4	240.00 135 SUNDANC4	240.00 26 -0.19438	-392.4	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 22						
378.5 135 SUNDANC4	240.00 155 BENALTO4	240.00 26 0.19438	392.4	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 22						
382.4 135 SUNDANC4	240.00 155 BENALTO4	240.00 22 0.19414	391.8	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 26						
382.4 155 BENALTO4	240.00 135 SUNDANC4	240.00 22 -0.19414	-391.8	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 26						
394.6 120 INNISFA7	138.00 121 OLDS 7	138.00 80 0.03778	107.1	122.0	OPEN	124	[HARMATT7
138.00] TO 883 [EAGLE TP	138.00] CKT 19						
410.5 115 S RED DE	138.00 119 N RED D7	138.00 80 -0.04266	-103.5	121.0	OPEN	155	[BENALTO4
240.00] TO 99 [BENALTO7	138.00] CKT T2						
431.8 104 STRACHA7	138.00 890 AMOCO TP	138.00 19 0.01108	115.2	120.0	OPEN	99	[BENALTO7
138.00] TO 882 [SCHRA TP	138.00] CKT 48						
508.8 107 SUNDRE 7	138.00 883 EAGLE TP	138.00 19 0.03020	104.6	120.0	OPEN	118	[RED DE B
138.00] TO 120 [INNISFA7	138.00] CKT 80						
522.1 99 BENALTO7	138.00 155 BENALTO4	240.00 T2 -0.02820	-185.3	200.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06						
524.8 99 BENALTO7	138.00 155 BENALTO4	240.00 T2 -0.02820	-185.2	200.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28						
532.0 128 ELLERSLI	240.00 81 BIGSTON4	240.00 14 0.16387	393.8	481.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00						
546.7 99 BENALTO7	138.00 155 BENALTO4	240.00 T2 -0.03108	-183.0	200.0	OPEN	155	[BENALTO4

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240.00] TO 187 [BEDDING1	240.00] CKT 18								
549.3 120 INNISFA7	138.00 121 OLDS 7	138.00	80	0.03145	104.7	122.0	OPEN	99	[BENALTO7
138.00] TO 882 [SCHRA TP	138.00] CKT 48								
572.8 107 SUNDRE 7	138.00 370 SHELL C7	138.00	19	-0.03020	-102.7	120.0	OPEN	121	[OLDS 7
138.00] TO 123 [DIDSBURY	138.00] CKT 80								
588.2 118 RED DE B	138.00 120 INNISFA7	138.00	80	0.03778	149.8	172.0	OPEN	107	[SUNDRE 7
138.00] TO 883 [EAGLE TP	138.00] CKT 19								
594.6 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.16827	381.0	481.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 26								
595.5 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.16822	380.8	481.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 22								
596.8 115 S RED DE	138.00 119 N RED D7	138.00	80	-0.04344	-95.1	121.0	OPEN	383	[JOFFRE 7
138.00] TO 664 [PIPER CR	138.00] CKT 55								
627.6 81 BIGSTON4	240.00 374 BIGSTON7	138.00	T1	0.02839	182.2	200.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
638.3* 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.16546	375.4	481.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 90								
638.8 124 HARMATT7	138.00 957 166L JNC	138.00	66	0.03020	58.7	78.0	OPEN	120	[INNISFA7
138.00] TO 121 [OLDS 7	138.00] CKT 80								
642.9* 120 INNISFA7	138.00 121 OLDS 7	138.00	80	0.02876	103.5	122.0	OPEN	104	[STRACHA7
138.00] TO 890 [AMOCO TP	138.00] CKT 19								
666.8* 148 GAETZ 7	138.00 801 787LSKP1	138.00	78	0.02046	166.4	180.0	OPEN	95	[PONOKA 7
138.00] TO 116 [W LACOMB	138.00] CKT 80								
680.7* 99 BENALTO7	138.00 155 BENALTO4	240.00	T2	-0.02832	-180.7	200.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
693.4* 119 N RED D7	138.00 802 787LSKP2	138.00	78	-0.02046	-165.8	180.0	OPEN	95	[PONOKA 7
138.00] TO 116 [W LACOMB	138.00] CKT 80								
717.5 121 OLDS 7	138.00 123 DIDSBURY	138.00	80	0.03778	94.9	122.0	OPEN	107	[SUNDRE 7
138.00] TO 370 [SHELL C7	138.00] CKT 19								
720.9 93 WETASKI7	138.00 95 PONOKA 7	138.00	16	0.05953	79.1	122.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
722.3 155 BENALTO4	240.00 161 SARCEE 4	240.00	06	0.17492	322.7	449.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28								
727.2 155 BENALTO4	240.00 161 SARCEE 4	240.00	28	0.17491	321.8	449.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06								
771.9 118 RED DE B	138.00 120 INNISFA7	138.00	80	0.03778	142.8	172.0	OPEN	124	[HARMATT7
138.00] TO 883 [EAGLE TP	138.00] CKT 19								
783.6 155 BENALTO4	240.00 135 SUNDANC4	240.00	26	-0.16937	-333.3	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
783.6 135 SUNDANC4	240.00 155 BENALTO4	240.00	26	0.16937	333.3	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
789.9 155 BENALTO4	240.00 135 SUNDANC4	240.00	22	-0.16908	-332.4	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
789.9 135 SUNDANC4	240.00 155 BENALTO4	240.00	22	0.16908	332.4	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
806.2 155 BENALTO4	240.00 187 BEDDING1	240.00	18	0.19878	256.7	417.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06								
807.3 155 BENALTO4	240.00 187 BEDDING1	240.00	18	0.19877	256.5	417.0	OPEN	155	[BENALTO4

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240.00]	TO	161	[SARCEE 4	240.00]	CKT 28							
811.4		155	BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.15702	-338.6	466.0	OPEN	155 [BENALTO4
240.00]	TO	995	[W.GRN TP	240.00]	CKT 95							
811.4		135	SUNDANC4	240.00	155 BENALTO4	240.00	26	0.15702	338.6	466.0	OPEN	155 [BENALTO4
240.00]	TO	995	[W.GRN TP	240.00]	CKT 95							
814.5		135	SUNDANC4	240.00	155 BENALTO4	240.00	26	0.16441	332.1	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 90							
814.5		155	BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.16441	-332.1	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 90							
815.1		123	DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05322	78.6	122.0	OPEN	155 [BENALTO4
240.00]	TO	161	[SARCEE 4	240.00]	CKT 06							
816.3		123	DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05322	78.6	122.0	OPEN	155 [BENALTO4
240.00]	TO	161	[SARCEE 4	240.00]	CKT 28							
817.5*		155	BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.16424	-331.7	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 03							
817.5*		135	SUNDANC4	240.00	155 BENALTO4	240.00	26	0.16424	331.7	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 03							
818.2		135	SUNDANC4	240.00	155 BENALTO4	240.00	22	0.15675	337.7	466.0	OPEN	155 [BENALTO4
240.00]	TO	995	[W.GRN TP	240.00]	CKT 95							
818.2		155	BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.15675	-337.7	466.0	OPEN	155 [BENALTO4
240.00]	TO	995	[W.GRN TP	240.00]	CKT 95							
821.0		135	SUNDANC4	240.00	155 BENALTO4	240.00	22	0.16412	331.3	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 90							
821.0		155	BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.16412	-331.3	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 90							
824.0*		155	BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.16395	-330.9	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 03							
824.0*		135	SUNDANC4	240.00	155 BENALTO4	240.00	22	0.16395	330.9	466.0	OPEN	155 [BENALTO4
240.00]	TO	420	[KEEPPHIL4	240.00]	CKT 03							
844.0		155	BENALTO4	240.00	187 BEDDING1	240.00	18	0.18713	259.1	417.0	OPEN	152 [RED DEE4
240.00]	TO	155	[BENALTO4	240.00]	CKT 00							
844.9		123	DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05487	75.6	122.0	OPEN	155 [BENALTO4
240.00]	TO	187	[BEDDING1	240.00]	CKT 18							
868.6		117	RED DE A	138.00	118 RED DE B	138.00	1	0.03461	90.9	121.0	OPEN	383 [JOFFRE 7
138.00]	TO	664	[PIPER CR	138.00]	CKT 55							
872.2		155	BENALTO4	240.00	161 SARCEE 4	240.00	06	0.17337	297.8	449.0	OPEN	155 [BENALTO4
240.00]	TO	187	[BEDDING1	240.00]	CKT 18							
878.9		155	BENALTO4	240.00	161 SARCEE 4	240.00	28	0.17335	296.6	449.0	OPEN	155 [BENALTO4
240.00]	TO	187	[BEDDING1	240.00]	CKT 18							
880.0		128	ELLERSLI	240.00	152 RED DEE4	240.00	10	0.19341	295.8	466.0	OPEN	147 [GAETZ 4
240.00]	TO	81	[BIGSTON4	240.00]	CKT 14							
880.0		152	RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.19341	-295.8	466.0	OPEN	147 [GAETZ 4
240.00]	TO	81	[BIGSTON4	240.00]	CKT 14							
892.0		123	DIDSBURY	138.00	957 166L JNC	138.00	66	-0.03020	-54.1	81.0	OPEN	120 [INNISFA7
138.00]	TO	121	[OLDS 7	138.00]	CKT 80							
898.4		123	DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05357	73.9	122.0	OPEN	152 [RED DEE4
240.00]	TO	988	[CROSSF T	240.00]	CKT 01							
911.2		124	HARMATT7	138.00	883 EAGLE TP	138.00	19	-0.03020	-92.5	120.0	OPEN	118 [RED DE B

Existing-2012WP-TLTG-Result

138.00] TO 120 [INNISFA7	138.00] CKT 80								
940.1* 123 DIDSBUY	138.00 982 MADDEN T	138.00	80	0.05264	72.5	122.0	OPEN	152	[RED DEE4
240.00] TO 160 [JANET 4	240.00] CKT 29								
941.6 155 BENALTO4	240.00 161 SARCEE 4	240.00	06	0.15274	305.2	449.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00								
945.9 155 BENALTO4	240.00 187 BEDDING1	240.00	18	0.19391	233.6	417.0	OPEN	152	[RED DEE4
240.00] TO 988 [CROSSF T	240.00] CKT 01								
949.2 155 BENALTO4	240.00 161 SARCEE 4	240.00	28	0.15272	304.0	449.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00								
956.6 117 RED DE A	138.00 118 RED DE B	138.00	1	0.05888	64.7	121.0	OPEN	147	[GAETZ 4
240.00] TO 152 [RED DEE4	240.00] CKT 14								
982.5 152 RED DEE4	240.00 128 ELLERSLI	240.00	10	-0.16948	-299.5	466.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00								
982.5 128 ELLERSLI	240.00 152 RED DEE4	240.00	10	0.16948	299.5	466.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00								
989.0* 155 BENALTO4	240.00 187 BEDDING1	240.00	18	0.19035	228.7	417.0	OPEN	152	[RED DEE4
240.00] TO 160 [JANET 4	240.00] CKT 29								

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, FEB 24 2011 10:32
CENTRAL AREA STUDY

2012 WINTER PEAK BASE CASE REVISION 6.5

*** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

* MONITORED ELEMENTS OCCURRING 5 OR MORE TIMES

NO.	MONITORED ELEMENT			
TIMES	FROM	TO	CKT	
48	128 ELLERSLI	240.00	81 BIGSTON4	240.00 14
21	101 COOKING7	138.00	65 BARDO 7	138.00 74
17	120 INNISFA7	138.00	121 OLDS 7	138.00 80
13	99 BENALTO7	138.00	155 BENALTO4	240.00 T2
10	152 RED DEE4	240.00	155 BENALTO4	240.00 00
6	155 BENALTO4	240.00	135 SUNDANC4	240.00 22
6	155 BENALTO4	240.00	135 SUNDANC4	240.00 26
6	135 SUNDANC4	240.00	155 BENALTO4	240.00 22
6	155 BENALTO4	240.00	187 BEDDING1	240.00 18
6	135 SUNDANC4	240.00	155 BENALTO4	240.00 26
6	123 DIDSBUY	138.00	982 MADDEN T	138.00 80
5	148 GAETZ 7	138.00	801 787LSKP1	138.00 78
5	119 N RED D7	138.00	802 787LSKP2	138.00 78

 PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E TUE, AUG 24 2010 13:31
 CENTRAL AREA STUDY PAGE 1
 2012 SUMMER PEAK BASE CASE REVISION 6.5
 *** TLTG EXPORT LIMIT OUTPUT FOR BASE CASE ***

DISTRIBUTION FACTOR FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 SUBSYSTEM DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 MONITORED ELEMENT FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 CONTINGENCY DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)

	PRE-SHIFT	DELTA	POST-SHIFT
STUDY SYSTEM MW GENERATION:	8088.3	100.0	8188.3
OPPOSING SYSTEM MW GENERATION:	803.1	-100.0	703.1
STUDY SYSTEM NET INTERCHANGE:	1627.8	100.0	1727.8

<----- STUDY SYSTEM ----->						<----- OPPOSING SYSTEM ----->									
<---- GENERATOR MW ---->						<---- GENERATOR MW ---->									
BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE	BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE
14		WESGEN 9		13.800	15.3	15.5	0.2	416		ENMAX 1A		18.000	166.0	146.8	-19.2
54		DOW GEN2		14.400	60.0	61.0	1.0	417		ENMAX 1B		18.000	60.0	40.8	-19.2
129		SUND#1GN		18.000	190.0	193.0	3.0	418		ENMAX 1C		18.000	166.0	146.8	-19.2
130		SUND#3GN		20.000	370.0	374.0	4.0	3187		CECST		13.800	125.0	115.5	-9.5
338		SUND#2GN		18.000	302.0	305.0	3.0	3290		BALZ 3		13.800	40.0	35.7	-4.3
342		SUND#4GN		20.000	370.0	374.0	4.0	4187		CECGT		18.000	120.0	106.6	-13.4
345		SUND#5GN		20.000	380.0	384.0	4.0	4290		BALZ 1&2		13.800	65.0	59.0	-6.0
350		SUND#6GN		20.000	400.0	404.2	4.2	5261		BIOCEN		18.000	1.1	-1.9	-3.0
408		WHITEGE9		12.500	25.0	25.3	0.3	91512		ENMAXCC		13.800	60.0	53.9	-6.1
422		KEEP#1GN		19.000	400.0	404.0	4.0								
424		KEEP#2GN		19.000	409.0	413.0	4.0								
454		DOW GEN1		14.400	80.0	81.0	1.0								
490		GENES 39		22.000	460.0	465.2	5.2								
491		GENES 19		20.500	430.0	434.3	4.3								
492		GENES 29		20.500	430.0	434.3	4.3								
627		AIR LIQC		13.800	84.0	84.9	0.9								
1015		FORT NE9		13.800	40.0	40.5	0.5								
1035		RBW 4		13.800	20.0	20.5	0.5								
1089		DIASHOW9		13.800	15.0	15.4	0.4								
1141		P&G 9		13.800	15.0	15.3	0.3								
1148		HR MILN9		15.000	140.0	141.5	1.5								
2030		DOWSTG 9		14.700	45.0	45.5	0.5								
2031		DOWGTG 9		13.800	45.0	45.9	0.9								

Existing-2012SP-TLTG-Result.txt

2248	MAHKE-G2	13.800	85.0	86.0	1.0
2392	ALPAC2	13.800	64.0	64.9	0.9
2405	CONKLIN2	13.800	76.5	77.4	0.9
2406	CONKLIN2	13.800	76.5	77.4	0.9
3050	REDW GT	13.800	37.0	37.6	0.6
3248	MAHKE-G1	13.800	70.0	71.0	1.0
3301	FCG1	13.800	40.0	40.4	0.4
3302	FCG2	13.800	40.0	40.4	0.4
4062	SHERRITT	4.1600	6.0	6.1	0.1
4185	SCOTF GT	13.800	82.0	83.0	1.0
7185	SCOTF ST	13.800	80.0	80.9	0.9
10236	MUSKEG4	13.800	76.5	77.4	0.9
12236	MUSKEG6	13.800	76.5	77.4	0.9
12249	LNGLKCG1	13.800	72.0	73.0	1.0
13249	LNGLKCG2	13.800	72.0	73.0	1.0
16218	SUNC_G19	13.800	13.1	13.4	0.3
16219	MIL_G3	13.800	47.9	48.6	0.7
16233	SYNC_UE5	13.800	71.2	72.1	0.8
17101	GPEP39	13.800	17.8	18.1	0.3
17209	SYNC_G39	13.800	18.4	18.7	0.3
17210	SYNC_G49	13.800	36.7	37.3	0.6
17233	SYNC_UE4	13.800	12.6	12.9	0.3
18142	BEARCK2	13.800	30.0	30.5	0.5
18206	AUR_GTG2	13.800	74.5	75.4	0.9
18207	AUR_GTG1	13.800	69.8	70.7	0.9
18208	MIL_G5 9	13.800	90.0	91.3	1.3
18209	SYNC_G29	13.800	37.7	38.3	0.6
18210	SYNC_G59	13.800	18.4	18.7	0.3
18218	SUNC_G29	13.800	13.1	13.4	0.3
18223	TAR-GN-2	13.800	50.5	51.3	0.8
18264	HORUP7	13.800	77.7	78.6	0.9
18274	MACKAY2	18.000	148.5	150.1	1.6
18302	PRIM GEN	13.800	80.0	80.9	0.9
19142	BEARCK3	13.800	30.0	30.4	0.4
19208	MIL_G6 9	13.800	90.0	91.3	1.3
19209	SYNC_G19	13.800	37.7	38.3	0.6
19210	SYNC_G69	13.800	27.9	28.6	0.7
19264	HORUP6	13.800	14.6	14.7	0.2
19268	HORUP10	13.800	77.7	78.6	0.9
90101	CBAR GT1	13.800	20.0	20.5	0.5
90102	CBAR GT2	13.800	50.0	51.1	1.1
90103	CBAR GT3	13.800	50.0	51.1	1.1
90351	KEEUN3	22.000	480.0	485.2	5.2
90517	SH_UG32	13.800	18.0	18.2	0.2
91513	DRLDB1	13.800	15.0	15.5	0.5
91514	DRLDB2	13.800	15.0	15.5	0.5
91521	BIOMASS1	12.500	33.0	33.3	0.3
91522	BIOMASS2	12.500	33.0	33.3	0.3
95275	PCOSI_G2	13.800	60.0	60.7	0.7

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96083	SHELLCM2	18.000	160.0	162.2	2.2
96118	POPLAR05	13.800	85.0	86.0	1.0
97247	SURMONT 13	13.800	65.0	65.9	0.9
97275	G-L_CG2	13.800	130.0	131.9	1.9
97276	G-L_CG3	13.800	130.0	131.9	1.9
97277	G-L_CG4	13.800	80.0	80.9	0.9
97361	DEER CK	13.813.800	81.0	81.9	0.9

LOADINGS AT OR ABOVE 100.0 %
OF RATING ARE MARKED WITH '*'

<----- F R O M ----->					<----- T O ----->					CKT	INCR. TRANS CAPAB	RATING A	PRE- SHIFT MW	POST- SHIFT MW	LIMIT CASE MW	DISTR. FACTOR
128	ELLERSLI	240.00	81	BIGSTON4	240.00	14	1065.4	481	321.1	336.1	481.0*	0.15011				
155	BENALTO4	240.00	187	BEDDING1	240.00	18	1218.2	417	206.5	223.8	390.6	0.17279				
155	BENALTO4	240.00	135	SUNDANC4	240.00	26	1251.0	466	-279.0	-293.9	-438.3	-0.14951				
135	SUNDANC4	240.00	155	BENALTO4	240.00	26	1251.0	466	279.0	293.9	438.3	0.14951				
135	SUNDANC4	240.00	155	BENALTO4	240.00	22	1257.9	466	278.3	293.2	437.3	0.14925				
155	BENALTO4	240.00	135	SUNDANC4	240.00	22	1257.9	466	-278.3	-293.2	-437.3	-0.14925				
101	COOKING7	138.00	65	BARDO 7	138.00	74	1268.1	85	59.8	61.8	81.0	0.01985				
123	DIDSBURY	138.00	982	MADDEN T	138.00	80	1269.7	122	64.2	68.8	112.7	0.04552				
152	RED DEE4	240.00	155	BENALTO4	240.00	00	1440.4	466	-320.8	-330.9	-428.2	-0.10081				
155	BENALTO4	240.00	161	SARCEE 4	240.00	06	1444.6	449	248.5	262.4	396.4	0.13877				
155	BENALTO4	240.00	161	SARCEE 4	240.00	28	1452.4	449	247.5	261.3	395.3	0.13876				
152	RED DEE4	240.00	128	ELLERSLI	240.00	10	1506.4	466	-233.7	-249.1	-398.0	-0.15421				
128	ELLERSLI	240.00	152	RED DEE4	240.00	10	1506.4	466	233.7	249.1	398.0	0.15421				
152	RED DEE4	240.00	988	CROSSF T	240.00	01	1585.9	408	175.3	190.0	331.6	0.14674				
120	INNISFA7	138.00	121	OLDS 7	138.00	80	1602.9	122	77.7	80.5	107.2	0.02762				
115	S RED DE	138.00	119	N RED D7	138.00	80	1826.2	121	-52.2	-56.0	-92.3	-0.03767				
81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	1869.8	499	203.0	218.8	371.7	0.15832				
93	WETASKI7	138.00	95	PONOKA 7	138.00	16	1964.0	122	45.6	49.5	87.0	0.03891				
766	BAT_BUS_DATA	138.00	79	BUFFALO7	138.00	29	2083.3	50	-16.8	-13.6	17.3	0.03198				
155	BENALTO4	240.00	420	KEEPHIL4	240.00	90	2139.6	466	-219.8	-231.3	-342.4	-0.11506				
420	KEEPHIL4	240.00	155	BENALTO4	240.00	90	2139.6	466	219.8	231.3	342.4	0.11506				
113	BLACKFA7	138.00	116	W LACOMB	138.00	80	2174.6	96	-11.4	-15.3	-52.8	-0.03891				
420	KEEPHIL4	240.00	155	BENALTO4	240.00	03	2175.0	466	217.9	229.3	339.4	0.11407				
155	BENALTO4	240.00	420	KEEPHIL4	240.00	03	2175.0	466	-217.9	-229.3	-339.4	-0.11407				
25	ENTWIST8	69.000	28	MOON LA8	69.000	29	2197.9	29	14.0	14.7	21.3	0.00682				
20	EDSON 7	138.00	39	CYNTHIA7	138.00	02	2272.7	85	23.9	26.5	52.5	0.02690				
118	RED DE B	138.00	120	INNISFA7	138.00	80	2320.1	172	107.9	110.7	137.3	0.02762				
107	SUNDRE 7	138.00	370	SHELL C7	138.00	19	2335.3	120	-78.2	-80.0	-97.3	-0.01790				
152	RED DEE4	240.00	160	JANET 4	240.00	29	2388.4	481	159.3	172.7	302.8	0.13471				
152	RED DEE4	240.00	160	JANET 4	240.00	25	2389.5	481	159.2	172.7	302.7	0.13467				
68	N HOLDE7	138.00	65	BARDO 7	138.00	74	2547.6	85	-52.2	-53.5	-65.9	-0.01288				
121	OLDS 7	138.00	123	DIDSBURY	138.00	80	2679.4	122	48.0	50.8	77.4	0.02762				
147	GAETZ 4	240.00	152	RED DEE4	240.00	14	2703.8	499	90.5	105.6	251.5	0.15108				
95	PONOKA 7	138.00	116	W LACOMB	138.00	80	2719.2	122	16.2	20.1	57.7	0.03891				
117	RED DE A	138.00	118	RED DE B	138.00	1	2802.1	121	43.1	45.8	72.7	0.02782				
99	BENALTO7	138.00	155	BENALTO4	240.00	T2	3057.6	200	-141.0	-143.0	-161.6	-0.01928				
124	HARMATT7	138.00	957	166L JNC	138.00	66	3115.0	78	22.3	24.0	41.3	0.01790				

Existing-2012SP-TLTG-Result.txt

91 NISKU 7	138.00	93 WETASKI7	138.00	58 3184.9	96 14.5	17.0	41.8	0.02560
113 BLACKFA7	138.00	119 N RED D7	138.00	80 3462.3	122 -12.7	-8.8	28.7	0.03891
123 DIDSBUY	138.00	957 166L JNC	138.00	66 3599.6	81 -16.6	-18.4	-35.6	-0.01790
76 IPPL ST7	138.00	14001 HEISLERTAP	138.00	1 3848.5	95 -22.0	-18.9	10.4	0.03039
107 SUNDRE 7	138.00	883 EAGLE TP	138.00	19 3904.0	120 50.1	51.9	69.2	0.01790
124 HARMATT7	138.00	883 EAGLE TP	138.00	19 4534.2	120 -38.8	-40.6	-57.9	-0.01790
115 S RED DE	138.00	117 RED DE A	138.00	80 4636.1	174 -0.7	3.1	39.5	0.03767
374 BIGSTON7	138.00	804 803/804X	138.00	04 5032.5	126 94.0	94.7	100.8	0.00635
93 WETASKI7	138.00	803 803/804N	138.00	04 5121.7	126 -93.5	-94.1	-100.2	-0.00635
104 STRACHA7	138.00	890 AMOCO TP	138.00	19 5961.5	120 86.3	86.9	92.3	0.00565
155 BENALTO4	240.00	995 W.GRN TP	240.00	95 6295.6	466 -198.2	-202.5	-243.5	-0.04253
96 DEVON 7	138.00	365 BUFORD 7	138.00	38 6684.6	121 23.7	25.1	39.2	0.01456
862 PV-TAP7	138.00	362 EDGERT07	138.00	49 6720.4	88 -17.9	-16.3	-1.1	0.01576
105 PIGEON 7	138.00	374 BIGSTON7	138.00	05 7443.8	85 -23.4	-21.9	-7.9	0.01456
356 BON GLE7	138.00	365 BUFORD 7	138.00	38 7864.3	121 -6.5	-8.0	-22.0	-0.01456
105 PIGEON 7	138.00	356 BON GLE7	138.00	37 8787.7	119 8.9	7.5	-6.6	-0.01456
383 JOFFRE 7	138.00	664 PIPER CR	138.00	55 9017.0	120 43.6	44.4	52.6	0.00848
99 BENALTO7	138.00	882 SCHRA TP	138.00	48 9694.2	174 55.3	56.5	68.3	0.01225
881 RAVEN TP	138.00	890 AMOCO TP	138.00	19 10470.5	120 -60.8	-61.4	-66.8	-0.00565
370 SHELL C7	138.00	882 SCHRA TP	138.00	48 10923.6	174 -40.2	-41.5	-53.3	-0.01225
70 CAMROSE7	138.00	946 KING TAP	138.00	30 11119.1	85 -7.5	-8.2	-15.0	-0.00697
370 SHELL C7	138.00	881 RAVEN TP	138.00	19 11235.1	120 -56.5	-57.1	-62.5	-0.00565
65 BARDO 7	138.00	946 KING TAP	138.00	30 11246.9	86 7.6	8.3	15.1	0.00697
423 KEEPHIL7	138.00	49 KEYSTON7	138.00	34 12140.8	158 51.0	51.9	60.4	0.00881
118 RED DE B	138.00	664 PIPER CR	138.00	55 14140.8	120 -0.1	-1.0	-9.2	-0.00848
70 CAMROSE7	138.00	94 ERVICK 7	138.00	29 14837.9	85 -18.4	-17.7	-11.0	0.00697
INTERFACE SOK				14910.2	2050 -363.3	-374.6	-483.8	-0.11312
94 ERVICK 7	138.00	899 TRUE W T	138.00	29 16664.8	85 -31.1	-30.4	-23.7	0.00697
99 BENALTO7	138.00	100 ROCKY M7	138.00	17 17705.2	112 11.9	12.5	17.9	0.00565
93 WETASKI7	138.00	899 TRUE W T	138.00	29 18293.4	96 31.4	30.7	24.0	-0.00697
100 ROCKY M7	138.00	104 STRACHA7	138.00	70 23885.4	120 -15.0	-14.4	-9.0	0.00565
803 803/804N	138.00	804 803/804X	138.00	03 24913.3	126 -46.9	-47.2	-50.3	-0.00317
803 803/804N	138.00	804 803/804X	138.00	04 24913.3	126 -46.9	-47.2	-50.3	-0.00317
118 RED DE B	138.00	152 RED DEE4	240.00	T2 25195.6	200 -53.2	-52.2	-42.5	0.01005
117 RED DE A	138.00	152 RED DEE4	240.00	T1 25578.8	200 -52.2	-51.2	-41.7	0.00986
81 BIGSTON4	240.00	374 BIGSTON7	138.00	T1 38717.7	200 117.8	117.0	109.1	-0.00821
147 GAETZ 4	240.00	148 GAETZ 7	138.00	T2 39877.6	200 54.6	55.0	58.5	0.00365
147 GAETZ 4	240.00	148 GAETZ 7	138.00	T1 40658.2	200 53.9	54.2	57.7	0.00359
152 RED DEE4	240.00	1422 NEVIS 4	240.00	12 46763.8	499 36.5	37.5	47.0	0.00989
148 GAETZ 7	138.00	383 JOFFRE 7	138.00	56 51905.3	154 -19.5	-19.1	-15.9	0.00334
148 GAETZ 7	138.00	383 JOFFRE 7	138.00	93 51920.8	154 -19.4	-19.1	-15.9	0.00334
99 BENALTO7	138.00	780 SYLV_138	138.00	1 70528.6	128 30.3	30.4	31.7	0.00139
148 GAETZ 7	138.00	384 UC PRENT	138.00	59 73190.1	154 22.6	22.8	24.5	0.00179
118 RED DE B	138.00	780 SYLV_138	138.00	1 84529.4	128 -11.5	-11.7	-13.0	-0.00138
95 PONOKA 7	138.00	192 NELSON L	138.00	1 >99999.	96 7.2	7.2	7.2	0.00000
97 ECKVILL7	138.00	956 758L JCT	138.00	58 >99999.	85 -14.6	-14.6	-14.6	0.00000
98 RIMBEY 7	138.00	956 758L JCT	138.00	57 >99999.	85 -19.6	-19.6	-19.6	0.00000
99 BENALTO7	138.00	956 758L JCT	138.00	57 >99999.	85 34.5	34.5	34.5	0.00000
114 LACOMBE7	138.00	116 W LACOMB	138.00	80 >99999.	75 -4.6	-4.6	-4.6	0.00000

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119	N RED D7	138.00	802 787LSKP2	138.00	78 >99999.	180	-124.4	-124.3	-123.1	0.00124
122	MADDEN 7	138.00	982 MADDEN T	138.00	89 >99999.	75	-14.6	-14.6	-14.6	0.00000
124	HARMATT7	138.00	97619 HGF1	138.00	01 >99999.	174	0.6	0.6	0.6	0.00000
126	SHELL H7	138.00	957 166L JNC	138.00	66 >99999.	85	-5.6	-5.6	-5.6	0.00000
142	KINGMAN7	138.00	946 KING TAP	138.00	32 >99999.	86	0.0	0.0	0.0	0.00000
148	GAETZ 7	138.00	801 787LSKP1	138.00	78 >99999.	180	124.7	124.6	123.4	-0.00124
152	RED DEE4	240.00	93700 RED DEER LUM	25.000	T1 >99999.	240	0.0	0.0	0.0	0.00000
205	AMOCO R7	138.00	257 LIMESTO7	138.00	64 >99999.	121	17.9	17.9	17.9	0.00000
205	AMOCO R7	138.00	890 AMOCO TP	138.00	19 >99999.	121	-22.7	-22.7	-22.7	0.00000
354	NOVA C17	138.00	383 JOFFRE 7	138.00	1 >99999.	327	124.5	124.5	124.5	0.00000
355	NOVA C27	138.00	383 JOFFRE 7	138.00	2 >99999.	327	129.1	129.1	129.1	0.00000
382	SHELL RA	138.00	881 RAVEN TP	138.00	19 >99999.	121	-4.2	-4.2	-4.2	0.00000
383	JOFFRE 7	138.00	384 UC PRENT	138.00	75 >99999.	154	56.4	56.3	55.5	-0.00090
383	JOFFRE 7	138.00	398 BROOKFLD	138.00	89 >99999.	125	5.5	5.5	5.5	0.00000
383	JOFFRE 7	138.00	975 COMINTAP	138.00	84 >99999.	154	63.7	63.6	62.7	-0.00089
384	UC PRENT	138.00	388 ELLIS 7	138.00	74 >99999.	154	-25.7	-25.6	-24.7	0.00090
385	SHELL SC	138.00	882 SCHRA TP	138.00	48 >99999.	121	-14.0	-14.0	-14.0	0.00000
386	SHELL EA	138.00	883 EAGLE TP	138.00	19 >99999.	121	-10.6	-10.6	-10.6	0.00000
387	COMINC07	138.00	975 COMINTAP	138.00	84 >99999.	101	-6.8	-6.8	-6.8	0.00000
388	ELLIS 7	138.00	975 COMINTAP	138.00	84 >99999.	154	-56.5	-56.4	-55.5	0.00090
440	TRUE WEL	138.00	899 TRUE W T	138.00	29 >99999.	98	0.0	0.0	0.0	0.00000
801	787LSKP1	138.00	802 787LSKP2	138.00	68 >99999.	180	62.4	62.3	61.7	-0.00062
801	787LSKP1	138.00	802 787LSKP2	138.00	78 >99999.	180	62.4	62.3	61.7	-0.00062

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E TUE, AUG 24 2010 13:31
CENTRAL AREA STUDY PAGE 2
2012 SUMMER PEAK BASE CASE REVISION 6.5
*** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

SOLUTION OF 93 SYSTEM CONDITIONS ATTEMPTED 0 INSOLUBLE SYSTEM CONDITIONS

INCR.	TRANS <-----	LIMITING ELEMENT <----->	DISTR.	PRE- RATING	RATING				
CAPAB <-----	F R O M <----->	T O <----->	FACTOR	SHIFT	BAS/CNT	A/A	<----->		
CONTINGENCY DESCRIPTION				MW					
-219.3	374 BIGSTON7	138.00	804 803/804X	138.00	04	0.03772	134.3	126.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
-214.9	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.03026	-126.5	120.0	OPEN 118 [RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80						
-204.2	93 WETASKI7	138.00	803 803/804N	138.00	04	-0.03772	-133.7	126.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
-9.9	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03784	122.4	122.0	OPEN 107 [SUNDRE 7
138.00]	TO 370 [SHELL C7	138.00]	CKT 19						
35.6	99 BENALTO7	138.00	155 BENALTO4	240.00	T2	-0.03739	-198.7	200.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00						
124.8	117 RED DE A	138.00	118 RED DE B	138.00	1	0.03783	116.3	121.0	OPEN 155 [BENALTO4
240.00]	TO 99 [BENALTO7	138.00]	CKT T2						

Existing-2012SP-TLTG-Result.txt									
206.7	148 GAETZ 7	138.00	801 787LSKP1	138.00	78	0.06766	166.0	180.0	OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
211.6	119 N RED D7	138.00	802 787LSKP2	138.00	78	-0.06766	-165.7	180.0	OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
231.6	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.03026	-113.0	120.0	OPEN 120 [INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80						
246.2	124 HARMATT7	138.00	957 166L JNC	138.00	66	0.03026	70.6	78.0	OPEN 118 [RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80						
273.9	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.16653	-420.4	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
286.7	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.10315	-91.4	121.0	OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
346.7	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.15238	-413.2	466.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
349.4	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.15238	-412.8	466.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
358.0	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.17107	-404.8	466.0	OPEN 155 [BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
362.4	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.01552	79.4	85.0	OPEN 93 [WETASKI7
138.00]	TO 899 [TRUE W T	138.00]	CKT 29						
376.1	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.01552	79.2	85.0	OPEN 94 [ERVICK 7
138.00]	TO 899 [TRUE W T	138.00]	CKT 29						
413.7	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03784	106.3	122.0	OPEN 107 [SUNDRE 7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
432.4*	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.16008	-396.8	466.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
474.4	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.19469	388.6	481.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
513.6	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03784	152.6	172.0	OPEN 107 [SUNDRE 7
138.00]	TO 370 [SHELL C7	138.00]	CKT 19						
528.2	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.19468	363.2	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
528.2	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.19468	-363.2	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
531.9	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.19444	362.6	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
531.9	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.19444	-362.6	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
532.8	123 DIDSBUY	138.00	957 166L JNC	138.00	66	-0.03026	-64.9	81.0	OPEN 118 [RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80						
556.6	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.02076	73.4	85.0	OPEN 374 [BIGSTON7
138.00]	TO 804 [803/804X	138.00]	CKT 04						
560.5	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.02076	73.4	85.0	OPEN 93 [WETASKI7
138.00]	TO 803 [803/804N	138.00]	CKT 04						
583.9	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03784	99.9	122.0	OPEN 124 [HARMATT7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
597.1*	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.01888	73.7	85.0	OPEN 81 [BIGSTON4
240.00]	TO 374 [BIGSTON7	138.00]	CKT T1						
671.4	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.03026	-99.7	120.0	OPEN 121 [OLDS 7

Existing-2012SP-TLTG-Result.txt									
138.00]	TO 123 [DIDSBURY	138.00]	CKT 80						
676.8	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16523	369.2	481.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00						
692.7	124 HARMATT7	138.00	957 166L JNC	138.00	66	0.03026	57.0	78.0	OPEN 120 [INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80						
712.9	107 SUNDRE 7	138.00	883 EAGLE TP	138.00	19	0.03026	98.4	120.0	OPEN 118 [RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80						
717.5	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04287	-90.2	121.0	OPEN 155 [BENALTO4
240.00]	TO 99 [BENALTO7	138.00]	CKT T2						
729.0	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16957	357.4	481.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
729.8	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16953	357.3	481.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
767.8*	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16679	352.9	481.0	OPEN 155 [BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90						
772.0	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.17530	313.7	449.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
775.9	121 OLDS 7	138.00	123 DIDSBURY	138.00	80	0.03784	92.6	122.0	OPEN 107 [SUNDRE 7
138.00]	TO 370 [SHELL C7	138.00]	CKT 19						
776.5	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.17529	312.9	449.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
818.9	104 STRACHA7	138.00	890 AMOCO TP	138.00	19	0.01110	110.9	120.0	OPEN 99 [BENALTO7
138.00]	TO 882 [SCHRA TP	138.00]	CKT 48						
820.3	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.19913	253.7	417.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
821.3	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.19912	253.5	417.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
821.9	123 DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05332	78.2	122.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
823.0	123 DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05332	78.1	122.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
825.5	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.05993	72.5	122.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
834.3	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03784	90.4	122.0	OPEN 124 [HARMATT7
138.00]	TO 957 [166L JNC	138.00]	CKT 66						
845.9	123 DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05497	75.5	122.0	OPEN 155 [BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
849.3*	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03150	95.2	122.0	OPEN 99 [BENALTO7
138.00]	TO 882 [SCHRA TP	138.00]	CKT 48						
870.8	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04366	-83.0	121.0	OPEN 383 [JOFFRE 7
138.00]	TO 664 [PIPER CR	138.00]	CKT 55						
871.9	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.18755	253.5	417.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00						
895.9	123 DIDSBURY	138.00	982 MADDEN T	138.00	80	0.05366	73.9	122.0	OPEN 152 [RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
913.4	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.17373	290.3	449.0	OPEN 155 [BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
919.7	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.17371	289.2	449.0	OPEN 155 [BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						

Existing-2012SP-TLTG-Result.txt											
920.6	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.16979	309.7	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
920.6	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.16979	-309.7	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
923.5	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.19496	285.9	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
923.5	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.19496	-285.9	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
926.6	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.16950	308.9	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
926.6	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.16950	-308.9	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
934.6*	123 DIDSBUY	138.00	982 MADDEN T	138.00	80	0.05273	72.7	122.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
937.2	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03784	136.5	172.0	OPEN	107	[SUNDRE 7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19								
952.0	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.19422	232.1	417.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01								
959.3	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.16471	-308.0	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90								
959.3	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.16471	308.0	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90								
959.5	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.16895	-303.9	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
959.5	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.16895	303.9	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
961.0*	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.15722	-314.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 995 [W.GRN TP	240.00]	CKT 95								
961.0*	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.15722	314.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 995 [W.GRN TP	240.00]	CKT 95								
962.2	113 BLACKFA7	138.00	116 W LACOMB	138.00	80	-0.05993	-38.3	96.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
965.6	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.16442	307.2	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90								
965.6	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.16442	-307.2	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90								
965.6	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.16866	303.1	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
965.6	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.16866	-303.1	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
967.6*	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.15695	314.1	466.0	OPEN	155	[BENALTO4
240.00]	TO 995 [W.GRN TP	240.00]	CKT 95								
967.6*	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.15695	-314.1	466.0	OPEN	155	[BENALTO4
240.00]	TO 995 [W.GRN TP	240.00]	CKT 95								
979.4	123 DIDSBUY	138.00	957 166L JNC	138.00	66	-0.03026	-51.4	81.0	OPEN	120	[INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80								
993.3*	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.19066	227.6	417.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
998.8	117 RED DE A	138.00	118 RED DE B	138.00	1	0.05921	61.9	121.0	OPEN	147	[GAETZ 4

		Existing-2012SP-TLTG-Result.txt									
240.00]	TO 152 [RED DEE4	240.00]	CKT 14								
1010.1	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.15316	294.3	449.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
1017.2	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.15314	293.2	449.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
1051.0	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17080	286.5	466.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
1051.0	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17080	-286.5	466.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
1085.7	124 HARMATT7	138.00	883 EAGLE TP	138.00	19	-0.03026	-87.1	120.0	OPEN	118	[RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80								
1102.0	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.17782	212.0	408.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
1102.2	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.17780	212.0	408.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 25								
1107.4	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03784	130.1	172.0	OPEN	124	[HARMATT7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19								
1113.8	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17453	-271.6	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
1113.8	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17453	271.6	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
1114.8	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17448	-271.5	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
1114.8	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17448	271.5	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
1119.2	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.17632	210.7	408.0	OPEN	155	[BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18								
1123.4	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.15800	271.5	449.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01								
1129.8	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.02045	-61.9	85.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
1130.0	81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	0.20259	270.1	499.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
1130.3	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.15798	270.4	449.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01								
1132.5	124 HARMATT7	138.00	957 166L JNC	138.00	66	0.03026	43.7	78.0	OPEN	121	[OLDS 7
138.00]	TO 123 [DIDSBURY	138.00]	CKT 80								
1148.1*	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.15643	269.4	449.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
1155.1*	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.15641	268.3	449.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
1156.4	420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	0.15195	290.3	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 03								
1156.4	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.15195	-290.3	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 03								
1159.4	107 SUNDRE 7	138.00	883 EAGLE TP	138.00	19	0.03026	84.9	120.0	OPEN	120	[INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80								
1174.5	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.15106	288.6	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90								

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1174.5	155 BENALT04	240.00	420 KEEPHIL4	240.00	03	-0.15106	-288.6	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90						
1180.8	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.16673	211.1	408.0	OPEN 155 [BENALT04
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
1181.8*	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.16673	211.0	408.0	OPEN 155 [BENALT04
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
1182.5*	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17035	-264.5	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90						
1182.5*	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17035	264.5	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90						
1199.5	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03784	76.6	122.0	OPEN 107 [SUNDRE 7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
1209.1	81 BIGSTON4	240.00	374 BIGSTON7	138.00	T1	0.02875	165.2	200.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1221.4	117 RED DE A	138.00	118 RED DE B	138.00	1	0.03473	78.6	121.0	OPEN 383 [JOFFRE 7
138.00]	TO 664 [PIPER CR	138.00]	CKT 55						
1283.0	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.04838	59.9	122.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1293.1	91 NISKU 7	138.00	93 WETASKI7	138.00	58	0.02860	59.0	96.0	OPEN 374 [BIGSTON7
138.00]	TO 804 [803/804X	138.00]	CKT 04						
1298.7	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.03518	39.3	85.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1300.7	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.03516	39.3	85.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1302.5	91 NISKU 7	138.00	93 WETASKI7	138.00	58	0.02860	58.7	96.0	OPEN 93 [WETASKI7
138.00]	TO 803 [803/804N	138.00]	CKT 04						
1307.7	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00873	17.6	29.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1309.6	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00873	17.6	29.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1312.9	115 S RED DE	138.00	117 RED DE A	138.00	80	0.10315	38.6	174.0	OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
1315.8	95 PONOKA 7	138.00	116 W LACOMB	138.00	80	0.05993	43.1	122.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1324.7	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04360	-63.2	121.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1325.9*	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04358	-63.2	121.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1357.8	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03784	120.6	172.0	OPEN 124 [HARMATT7
138.00]	TO 957 [166L JNC	138.00]	CKT 66						
1369.7	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03784	70.2	122.0	OPEN 124 [HARMATT7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
1399.5	81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	0.17457	254.7	499.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALT04	240.00]	CKT 00						
1414.7	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.01786	-59.7	85.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1419.1	123 DIDSBUY	138.00	957 166L JNC	138.00	66	-0.03026	-38.1	81.0	OPEN 121 [OLDS 7
138.00]	TO 123 [DIDSBUY	138.00]	CKT 80						
1422.3	104 STRACHA7	138.00	890 AMOCO TP	138.00	19	0.01110	104.2	120.0	OPEN 370 [SHELL C7

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138.00]	TO 882 [SCHRA TP	138.00]	CKT 48						
1429.3	81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	0.17948	242.5	499.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1430.4	81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	0.17943	242.3	499.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1434.5	99 BENALTO7	138.00	155 BENALTO4	240.00	T2	-0.03119	-155.3	200.0	OPEN 155 [BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
1443.4*	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03784	117.4	172.0	OPEN 123 [DIDSBURY
138.00]	TO 957 [166L JNC	138.00]	CKT 66						
1446.0	148 GAETZ 7	138.00	801 787LSKP1	138.00	78	0.02056	150.3	180.0	OPEN 93 [WETASKI7
138.00]	TO 95 [PONOKA 7	138.00]	CKT 16						
1452.4	113 BLACKFA7	138.00	116 W LACOMB	138.00	80	-0.04838	-25.7	96.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1462.2	119 N RED D7	138.00	802 787LSKP2	138.00	78	-0.02056	-149.9	180.0	OPEN 93 [WETASKI7
138.00]	TO 95 [PONOKA 7	138.00]	CKT 16						
1492.0	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.04438	55.8	122.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1493.1	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.04437	55.8	122.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1512.7	99 BENALTO7	138.00	155 BENALTO4	240.00	T2	-0.02830	-157.2	200.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
1515.2	99 BENALTO7	138.00	155 BENALTO4	240.00	T2	-0.02830	-157.1	200.0	OPEN 155 [BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
1517.5*	81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	0.17459	234.1	499.0	OPEN 155 [BENALTO4
240.00]	TO 420 [KEEPPHIL4	240.00]	CKT 90						
1532.2	124 HARMATT7	138.00	883 EAGLE TP	138.00	19	-0.03026	-73.6	120.0	OPEN 120 [INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80						
1538.1	155 BENALTO4	240.00	420 KEEPPHIL4	240.00	90	-0.13540	-257.8	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1538.1	420 KEEPPHIL4	240.00	155 BENALTO4	240.00	90	0.13540	257.8	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1539.4	155 BENALTO4	240.00	420 KEEPPHIL4	240.00	90	-0.13535	-257.6	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1539.4	420 KEEPPHIL4	240.00	155 BENALTO4	240.00	90	0.13535	257.6	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1562.7	420 KEEPPHIL4	240.00	155 BENALTO4	240.00	90	0.13663	252.5	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1562.7	155 BENALTO4	240.00	420 KEEPPHIL4	240.00	90	-0.13663	-252.5	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1566.1	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.02288	-84.2	120.0	OPEN 155 [BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
1568.1	155 BENALTO4	240.00	420 KEEPPHIL4	240.00	03	-0.13423	-255.5	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1568.1	420 KEEPPHIL4	240.00	155 BENALTO4	240.00	03	0.13423	255.5	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1569.5	155 BENALTO4	240.00	420 KEEPPHIL4	240.00	03	-0.13418	-255.4	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1569.5	420 KEEPPHIL4	240.00	155 BENALTO4	240.00	03	0.13418	255.4	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						

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1583.8*	107 SUNDRE 7	138.00	370 SHELL C7	138.00 19 -0.02188	-85.3	120.0	OPEN	155	[BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
1592.5	155 BENALTO4	240.00	420 KEEPHIL4	240.00 03 -0.13544	-250.3	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1592.5	420 KEEPHIL4	240.00	155 BENALTO4	240.00 03 0.13544	250.3	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1599.1*	93 WETASKI7	138.00	95 PONOKA 7	138.00 16 0.04188	55.0	122.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00						
1599.2	107 SUNDRE 7	138.00	883 EAGLE TP	138.00 19 0.03026	71.6	120.0	OPEN	121	[OLDS 7
138.00]	TO 123 [DIDSBURY	138.00]	CKT 80						
1620.1	121 OLDS 7	138.00	123 DIDSBURY	138.00 80 0.03784	60.7	122.0	OPEN	124	[HARMATT7
138.00]	TO 957 [166L JNC	138.00]	CKT 66						
1632.9*	420 KEEPHIL4	240.00	155 BENALTO4	240.00 90 0.13506	245.5	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1632.9*	155 BENALTO4	240.00	420 KEEPHIL4	240.00 90 -0.13506	-245.5	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1656.1*	99 BENALTO7	138.00	155 BENALTO4	240.00 T2 -0.02848	-152.8	200.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1663.0*	420 KEEPHIL4	240.00	155 BENALTO4	240.00 03 0.13389	243.3	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1663.0*	155 BENALTO4	240.00	420 KEEPHIL4	240.00 03 -0.13389	-243.3	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1676.6	113 BLACKFA7	138.00	116 W LACOMB	138.00 80 -0.04438	-21.6	96.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1677.8	113 BLACKFA7	138.00	116 W LACOMB	138.00 80 -0.04437	-21.6	96.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1695.0	766 BAT_BUS_DATA	138.00	79 BUFFALO7	138.00 29 0.03584	-10.9	49.8	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1699.6	152 RED DEE4	240.00	160 JANET 4	240.00 29 0.16677	197.6	481.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
1700.5	152 RED DEE4	240.00	160 JANET 4	240.00 25 0.16672	197.5	481.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
1705.7*	121 OLDS 7	138.00	123 DIDSBURY	138.00 80 0.03784	57.5	122.0	OPEN	123	[DIDSBURY
138.00]	TO 957 [166L JNC	138.00]	CKT 66						
1710.4	147 GAETZ 4	240.00	152 RED DEE4	240.00 14 0.19760	161.0	499.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1712.6	766 BAT_BUS_DATA	138.00	79 BUFFALO7	138.00 29 0.03594	-11.7	49.8	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1738.4	68 N HOLDE7	138.00	65 BARDO 7	138.00 74 -0.01734	-54.9	85.0	OPEN	147	[GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
1741.9	152 RED DEE4	240.00	160 JANET 4	240.00 29 0.16449	194.5	481.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 25						
1742.7	152 RED DEE4	240.00	160 JANET 4	240.00 25 0.16445	194.4	481.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29						
1747.0	68 N HOLDE7	138.00	65 BARDO 7	138.00 74 -0.01641	-56.3	85.0	OPEN	93	[WETASKI7
138.00]	TO 95 [PONOKA 7	138.00]	CKT 16						
1764.1*	68 N HOLDE7	138.00	65 BARDO 7	138.00 74 -0.01473	-59.0	85.0			

OPEN 152 [RED DEE4

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240.00]	TO 1422 [NEVIS 4	240.00]	CKT 12																
1794.6	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00771	15.2	29.0	OPEN	147	[GAETZ	4							
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14																
1794.8*	113 BLACKFA7	138.00	116 W LACOMB	138.00	80	-0.04188	-20.8	96.0	OPEN	152	[RED DEE4								
240.00]	TO 155 [BENALTO4	240.00]	CKT 00																
1795.3	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00765	15.3	29.0	OPEN	152	[RED DEE4								
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10																
1796.9	766 BAT_BUS_DATA	138.00	79 BUFFALO7	138.00	29	0.03448	-12.1	49.8	OPEN	155	[BENALTO4								
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26																
1797.6	766 BAT_BUS_DATA	138.00	79 BUFFALO7	138.00	29	0.03447	-12.1	49.8	OPEN	155	[BENALTO4								
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22																
1798.3	113 BLACKFA7	138.00	119 N RED D7	138.00	80	0.05993	14.2	122.0	OPEN	147	[GAETZ	4							
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14																
1819.0	152 RED DEE4	240.00	160 JANET 4	240.00	29	0.16016	189.7	481.0	OPEN	155	[BENALTO4								
240.00]	TO 187 [BEDDING1	240.00]	CKT 18																
1819.9	152 RED DEE4	240.00	160 JANET 4	240.00	25	0.16011	189.6	481.0	OPEN	155	[BENALTO4								
240.00]	TO 187 [BEDDING1	240.00]	CKT 18																
1872.7*	766 BAT_BUS_DATA	138.00	79 BUFFALO7	138.00	29	0.03319	-12.3	49.8											

OPEN 152 [RED DEE4

240.00]	TO 1422 [NEVIS 4	240.00]	CKT 12																
1873.2	152 RED DEE4	240.00	160 JANET 4	240.00	29	0.15365	193.2	481.0	OPEN	155	[BENALTO4								
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06																
1874.2*	152 RED DEE4	240.00	160 JANET 4	240.00	29	0.15365	193.0	481.0	OPEN	155	[BENALTO4								
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28																
1874.2	152 RED DEE4	240.00	160 JANET 4	240.00	25	0.15360	193.1	481.0	OPEN	155	[BENALTO4								
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06																
1875.1*	152 RED DEE4	240.00	160 JANET 4	240.00	25	0.15360	193.0	481.0	OPEN	155	[BENALTO4								
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28																
1890.4	95 PONOKA 7	138.00	116 W LACOMB	138.00	80	0.04838	30.5	122.0	OPEN	152	[RED DEE4								
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10																
1900.2	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.02984	28.3	85.0	OPEN	152	[RED DEE4								
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10																
1926.5	147 GAETZ 4	240.00	152 RED DEE4	240.00	14	0.17407	163.7	499.0	OPEN	152	[RED DEE4								
240.00]	TO 155 [BENALTO4	240.00]	CKT 00																
1927.3	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.02980	27.6	85.0	OPEN	147	[GAETZ	4							
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14																
1929.9	104 STRACHA7	138.00	890 AMOCO TP	138.00	19	0.00956	101.6	120.0	OPEN	118	[RED DE B								
138.00]	TO 120 [INNISFA7	138.00]	CKT 80																
1972.0	124 HARMATT7	138.00	883 EAGLE TP	138.00	19	-0.03026	-60.3	120.0	OPEN	121	[OLDS	7							
138.00]	TO 123 [DIDSBURY	138.00]	CKT 80																
1988.6	117 RED DE A	138.00	118 RED DE B	138.00	1	0.02097	79.3	121.0	OPEN	152	[RED DEE4								
240.00]	TO 118 [RED DE B	138.00]	CKT T2																

*** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

* MONITORED ELEMENTS OCCURRING 5 OR MORE TIMES

NO.	<----- MONITORED ELEMENT ----->		CT
TIMES	<----- F R O M ----->	<----- T O ----->	
53	152 RED DEE4 240.00	155 BENALTO4 240.00	00
52	128 ELLERSLI 240.00	81 BIGSTON4 240.00	14
47	115 S RED DE 138.00	119 N RED D7 138.00	80
47	120 INNISFA7 138.00	121 OLDS 7 138.00	80
46	152 RED DEE4 240.00	988 CROSSF T 240.00	01
46	81 BIGSTON4 240.00	147 GAETZ 4 240.00	14
44	123 DIDSBUY 138.00	982 MADDEN T 138.00	80
41	155 BENALTO4 240.00	161 SARCEE 4 240.00	06
41	155 BENALTO4 240.00	161 SARCEE 4 240.00	28
41	155 BENALTO4 240.00	187 BEDDING1 240.00	18
33	152 RED DEE4 240.00	128 ELLERSLI 240.00	10
33	128 ELLERSLI 240.00	152 RED DEE4 240.00	10
30	155 BENALTO4 240.00	135 SUNDANC4 240.00	26
30	135 SUNDANC4 240.00	155 BENALTO4 240.00	26
29	155 BENALTO4 240.00	135 SUNDANC4 240.00	22
29	135 SUNDANC4 240.00	155 BENALTO4 240.00	22
29	93 WETASKI7 138.00	95 PONOKA 7 138.00	16
25	101 COOKING7 138.00	65 BARDO 7 138.00	74
18	118 RED DE B 138.00	120 INNISFA7 138.00	80
14	68 N HOLDE7 138.00	65 BARDO 7 138.00	74
14	766 BAT_BUS_DATA138.00	79 BUFFALO7 138.00	29
13	107 SUNDRE 7 138.00	370 SHELL C7 138.00	19
13	113 BLACKFA7 138.00	116 W LACOMB 138.00	80
9	121 OLDS 7 138.00	123 DIDSBUY 138.00	80
7	155 BENALTO4 240.00	420 KEEPHIL4 240.00	03
7	155 BENALTO4 240.00	420 KEEPHIL4 240.00	90
7	420 KEEPHIL4 240.00	155 BENALTO4 240.00	03
7	420 KEEPHIL4 240.00	155 BENALTO4 240.00	90
6	99 BENALTO7 138.00	155 BENALTO4 240.00	T2
5	152 RED DEE4 240.00	160 JANET 4 240.00	25
5	152 RED DEE4 240.00	160 JANET 4 240.00	29

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E TUE, AUG 24 2010 13:24
 CENTRAL AREA STUDY PAGE 1
 2012 SUMMER LIGHT BASE CASE REVISION 6.5
 *** TLTG EXPORT LIMIT OUTPUT FOR BASE CASE ***

DISTRIBUTION FACTOR FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 SUBSYSTEM DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 MONITORED ELEMENT FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 CONTINGENCY DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)

	PRE-SHIFT	DELTA	POST-SHIFT
STUDY SYSTEM MW GENERATION:	7456.3	100.0	7556.3
OPPOSING SYSTEM MW GENERATION:	313.6	-100.0	213.6
STUDY SYSTEM NET INTERCHANGE:	1780.1	100.0	1880.1

<----- STUDY SYSTEM ----->						<----- OPPOSING SYSTEM ----->									
<---- GENERATOR MW ---->						<---- GENERATOR MW ---->									
BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE	BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE
14		WESGEN 9		13.800	15.3	15.5	0.2	416		ENMAX 1A		18.000	10.0	-10.5	-20.5
129		SUND#1GN		18.000	190.0	193.2	3.2	417		ENMAX 1B		18.000	10.0	-10.5	-20.5
130		SUND#3GN		20.000	370.0	374.3	4.3	418		ENMAX 1C		18.000	10.0	-10.5	-20.5
338		SUND#2GN		18.000	300.0	303.2	3.2	3187		CECST		13.800	60.0	49.9	-10.1
342		SUND#4GN		20.000	370.0	374.3	4.3	3290		BALZ 3		13.800	40.0	35.4	-4.6
345		SUND#5GN		20.000	340.0	344.3	4.3	4187		CECGT		18.000	100.0	85.7	-14.3
350		SUND#6GN		20.000	400.0	404.6	4.6	4290		BALZ 1&2		13.800	65.0	58.6	-6.4
408		WHITEGE9		12.500	25.0	25.3	0.3	5261		BIOCEN		18.000	18.6	15.4	-3.2
422		KEEP#1GN		19.000	400.0	404.3	4.3								
424		KEEP#2GN		19.000	400.0	404.3	4.3								
454		DOW GEN1		14.400	80.0	81.1	1.1								
490		GENES 39		22.000	460.0	465.7	5.7								
491		GENES 19		20.500	420.0	424.7	4.7								
492		GENES 29		20.500	420.0	424.7	4.7								
627		AIR LIQC		13.800	84.0	84.9	0.9								
1015		FORT NE9		13.800	30.0	30.6	0.6								
1089		DIASHOW9		13.800	15.0	15.5	0.5								
1141		P&G 9		13.800	15.0	15.3	0.3								
1148		HR MILN9		15.000	140.0	141.6	1.6								
2030		DOWSTG 9		14.700	45.0	45.5	0.5								
2031		DOWGTG 9		13.800	10.0	10.9	0.9								
2248		MAHKE-G2		13.800	60.0	61.1	1.1								
2405		CONKLIN2		13.800	76.5	77.5	1.0								

Existing-2012SL-TLTG-Result.txt

2406	CONKLIN2	13.800	76.5	77.5	1.0
3050	REDW GT	13.800	37.0	37.7	0.7
3248	MAHKE-G1	13.800	70.0	71.1	1.1
3301	FCG1	13.800	40.0	40.4	0.4
3302	FCG2	13.800	40.0	40.4	0.4
4185	SCOTF GT	13.800	70.0	71.1	1.1
7185	SCOTF ST	13.800	80.0	81.0	1.0
10236	MUSKEG4	13.800	76.5	77.5	1.0
12236	MUSKEG6	13.800	76.5	77.5	1.0
12249	LNLKCG1	13.800	72.0	73.0	1.0
13249	LNLKCG2	13.800	72.0	73.0	1.0
16218	SUNC_G19	13.800	13.1	13.5	0.4
16219	MIL_G3	13.800	47.9	48.6	0.7
16233	SYNC_UE5	13.800	71.2	72.1	0.9
17101	GPEP39	13.800	17.8	18.1	0.3
17209	SYNC_G39	13.800	18.4	18.7	0.3
17210	SYNC_G49	13.800	36.7	37.3	0.6
17233	SYNC_UE4	13.800	12.6	12.9	0.3
18142	BEARCK2	13.800	50.0	50.6	0.6
18206	AUR_GTG2	13.800	74.5	75.5	1.0
18207	AUR_GTG1	13.800	69.8	70.8	1.0
18208	MIL_G5 9	13.800	90.0	91.4	1.4
18209	SYNC_G29	13.800	37.7	38.3	0.6
18210	SYNC_G59	13.800	18.4	18.7	0.3
18218	SUNC G29	13.800	13.1	13.5	0.4
18223	TAR-GN-2	13.800	50.5	51.4	0.9
18264	HORUP7	13.800	77.7	78.7	1.0
18274	MACKAY2	18.000	148.5	150.3	1.8
18302	PRIM GEN	13.800	80.0	81.0	1.0
19142	BEARCK3	13.800	30.0	30.4	0.4
19208	MIL_G6 9	13.800	90.0	91.4	1.4
19209	SYNC_G19	13.800	37.7	38.3	0.6
19210	SYNC_G69	13.800	27.9	28.7	0.7
19264	HORUP6	13.800	14.6	14.7	0.2
19268	HORUP10	13.800	77.7	78.7	1.0
90351	KEEUN3	22.000	480.0	485.7	5.7
90517	SH_UG32	13.800	16.0	16.2	0.2
91521	BIOMASS1	12.500	15.0	15.3	0.3
91522	BIOMASS2	12.500	15.0	15.3	0.3
95275	PCOSI_G2	13.800	60.0	60.8	0.8
96083	SHELLCM2	18.000	160.0	162.4	2.4
96118	POPLAR05	13.800	85.0	86.0	1.0
97247	SURMONT 13	13.800	65.0	66.0	1.0
97275	G-L_CG2	13.800	130.0	132.0	2.0
97276	G-L_CG3	13.800	130.0	132.0	2.0

LOADINGS AT OR ABOVE 100.0 %
OF RATING ARE MARKED WITH '*'

<----- BASE CASE ----->
INCR. PRE- POST- LIMIT
TRANS RATING SHIFT SHIFT CASE DISTR.

Existing-2012SL-TLTG-Result.txt										
<----- F R O M ----->	<----- T O ----->	CKT	CAPAB	A	MW	MW	MW	FACTOR		
155 BENALTO4	240.00	187 BEDDING1	240.00	18	1012.6	417	240.2	257.6	417.0*	0.17464
128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	1094.6	481	317.5	332.5	468.8	0.14934
152 RED DEE4	240.00	988 CROSSF T	240.00	01	1157.7	408	237.9	252.6	386.7	0.14695
135 SUNDANC4	240.00	155 BENALTO4	240.00	26	1163.0	466	291.2	306.2	443.4	0.15034
155 BENALTO4	240.00	135 SUNDANC4	240.00	26	1163.0	466	-291.2	-306.2	-443.4	-0.15034
155 BENALTO4	240.00	135 SUNDANC4	240.00	22	1169.9	466	-290.4	-305.4	-442.4	-0.15008
135 SUNDANC4	240.00	155 BENALTO4	240.00	22	1169.9	466	290.4	305.4	442.4	0.15008
123 DIDSBUY	138.00	982 MADDEN T	138.00	80	1185.6	122	69.1	73.5	114.3	0.04464
101 COOKING7	138.00	65 BARDO 7	138.00	74	1199.2	85	61.3	63.2	81.3	0.01979
115 S RED DE	138.00	119 N RED D7	138.00	80	1222.9	121	-75.6	-79.3	-113.2	-0.03712
155 BENALTO4	240.00	161 SARCEE 4	240.00	06	1302.7	449	269.1	282.9	408.9	0.13811
155 BENALTO4	240.00	161 SARCEE 4	240.00	28	1311.7	449	267.9	281.7	407.7	0.13810
152 RED DEE4	240.00	128 ELLERSLI	240.00	10	1373.6	466	-255.5	-270.8	-410.7	-0.15325
128 ELLERSLI	240.00	152 RED DEE4	240.00	10	1373.6	466	255.5	270.8	410.7	0.15325
120 INNISFA7	138.00	121 OLDS 7	138.00	80	1510.6	122	81.2	83.9	108.6	0.02700
155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	1737.8	466	-264.7	-276.2	-382.0	-0.11586
420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	1737.8	466	264.7	276.2	382.0	0.11586
81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	1743.8	499	224.8	240.5	384.0	0.15723
420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	1772.9	466	262.4	273.9	378.7	0.11486
155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	1772.9	466	-262.4	-273.9	-378.7	-0.11486
152 RED DEE4	240.00	155 BENALTO4	240.00	00	1850.7	466	-274.4	-284.7	-379.2	-0.10355
20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	1853.3	85	35.0	37.7	62.3	0.02698
93 WETASKI7	138.00	95 PONOKA 7	138.00	16	1933.2	122	47.6	51.4	86.6	0.03851
152 RED DEE4	240.00	160 JANET 4	240.00	29	1955.0	481	217.1	230.6	353.8	0.13500
152 RED DEE4	240.00	160 JANET 4	240.00	25	1956.1	481	217.0	230.5	353.7	0.13496
25 ENTWIST8	69.000	28 MOON LA8	69.000	29	1994.3	29	15.5	16.2	22.3	0.00678
117 RED DE A	138.00	118 RED DE B	138.00	1	2091.0	121	64.3	67.1	91.8	0.02710
121 OLDS 7	138.00	123 DIDSBUY	138.00	80	2156.6	122	63.8	66.5	91.1	0.02700
147 GAETZ 4	240.00	152 RED DEE4	240.00	14	2159.6	499	174.5	189.5	326.6	0.15028
113 BLACKFA7	138.00	116 W LACOMB	138.00	80	2164.0	96	-12.7	-16.5	-51.7	-0.03851
68 N HOLDE7	138.00	65 BARDO 7	138.00	74	2278.9	85	-54.9	-56.2	-68.3	-0.01321
766 VER_TAP	138.00	79 BUFFALO7	138.00	29	2486.2	50	-28.8	-25.6	3.2	0.03162
95 PONOKA 7	138.00	116 W LACOMB	138.00	80	2611.8	122	21.4	25.3	60.4	0.03851
118 RED DE B	138.00	120 INNISFA7	138.00	80	2668.0	172	100.0	102.7	127.3	0.02700
91 NISKU 7	138.00	93 WETASKI7	138.00	58	2799.3	96	25.1	27.6	50.7	0.02533
113 BLACKFA7	138.00	119 N RED D7	138.00	80	3203.4	122	-1.4	2.5	37.6	0.03851
115 S RED DE	138.00	117 RED DE A	138.00	80	3366.9	174	49.0	52.7	86.6	0.03712
107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	3803.2	120	-52.9	-54.7	-70.8	-0.01763
99 BENALTO7	138.00	155 BENALTO4	240.00	T2	3821.1	200	-125.8	-127.7	-145.4	-0.01943
124 HARMATT7	138.00	957 166L JNC	138.00	66	3962.1	78	8.1	9.9	26.0	0.01763
76 IPPL ST7	138.00	14001 HEISLERTAP	138.00	1	4084.4	95	-27.4	-24.4	2.9	0.02997
123 DIDSBUY	138.00	957 166L JNC	138.00	66	4259.1	81	-5.9	-7.7	-23.7	-0.01763
107 SUNDRE 7	138.00	883 EAGLE TP	138.00	19	5095.6	120	30.1	31.9	48.0	0.01763
124 HARMATT7	138.00	883 EAGLE TP	138.00	19	5593.4	120	-21.4	-23.1	-39.2	-0.01763
96 DEVON 7	138.00	365 BUFORD 7	138.00	38	6421.2	121	28.0	29.4	42.6	0.01449
105 PIGEON 7	138.00	374 BIGSTON7	138.00	05	6814.7	85	-13.7	-12.3	0.9	0.01449
862 PV-TAP7	138.00	362 EDGERT07	138.00	49	7038.1	88	-21.6	-20.1	-5.9	0.01558
374 BIGSTON7	138.00	804 803/804X	138.00	04	7183.5	126	78.6	79.2	85.3	0.00660

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93	WETASKI7	138.00	803	803/804N	138.00	04	7243.8	126	-78.2	-78.8	-84.9	-0.00660
356	BON GLE7	138.00	365	BUFORD 7	138.00	38	7474.9	121	-12.7	-14.2	-27.4	-0.01449
105	PIGEON 7	138.00	356	BON GLE7	138.00	37	8279.8	119	0.9	-0.5	-13.7	-0.01449
155	BENALTO4	240.00	995	W.GRN TP	240.00	95	8609.7	466	-98.3	-102.6	-141.6	-0.04270
383	JOFFRE 7	138.00	664	PIPER CR	138.00	55	8719.8	120	47.3	48.1	55.7	0.00834
99	BENALTO7	138.00	882	SCHRA TP	138.00	48	9458.9	174	59.9	61.1	72.1	0.01207
423	KEEPPHIL7	138.00	49	KEYSTON7	138.00	34	10250.2	158	66.4	67.2	75.4	0.00894
370	SHELL C7	138.00	882	SCHRA TP	138.00	48	10506.1	174	-47.2	-48.4	-59.5	-0.01207
118	RED DE B	138.00	664	PIPER CR	138.00	55	10858.4	120	-29.5	-30.3	-37.9	-0.00834
70	CAMROSE7	138.00	946	KING TAP	138.00	30	11961.0	85	-6.3	-7.0	-13.0	-0.00658
65	BARDO 7	138.00	946	KING TAP	138.00	30	12101.9	86	6.4	7.0	13.0	0.00658
104	STRACHA7	138.00	890	AMOCO TP	138.00	19	13765.7	120	43.3	43.9	49.0	0.00557
99	BENALTO7	138.00	100	ROCKY M7	138.00	17	14379.9	112	31.9	32.5	37.6	0.00557
	INTERFACE SOK						14911.7	2050	-380.9	-392.1	-494.2	-0.11193
70	CAMROSE7	138.00	94	ERVICK 7	138.00	29	15448.3	85	-16.6	-16.0	-10.0	0.00658
94	ERVICK 7	138.00	899	TRUE W T	138.00	29	17160.2	85	-27.9	-27.2	-21.2	0.00658
881	RAVEN TP	138.00	890	AMOCO TP	138.00	19	17265.9	120	-23.8	-24.4	-29.5	-0.00557
370	SHELL C7	138.00	881	RAVEN TP	138.00	19	17875.3	120	-20.5	-21.0	-26.1	-0.00557
93	WETASKI7	138.00	899	TRUE W T	138.00	29	18875.2	96	28.2	27.5	21.5	-0.00658
100	ROCKY M7	138.00	104	STRACHA7	138.00	70	19831.4	120	9.6	10.1	15.2	0.00557
118	RED DE B	138.00	152	RED DEE4	240.00	T2	21590.5	200	-20.6	-19.6	-10.3	0.01022
117	RED DE A	138.00	152	RED DEE4	240.00	T1	21967.3	200	-20.2	-19.2	-10.1	0.01002
803	803/804N	138.00	804	803/804X	138.00	03	26293.9	126	-39.2	-39.5	-42.5	-0.00330
803	803/804N	138.00	804	803/804X	138.00	04	26293.9	126	-39.2	-39.5	-42.5	-0.00330
81	BIGSTON4	240.00	374	BIGSTON7	138.00	T1	37098.8	200	92.5	91.7	84.5	-0.00789
152	RED DEE4	240.00	1422	NEVIS 4	240.00	12	49799.6	499	-19.6	-18.5	-9.0	0.01041
147	GAETZ 4	240.00	148	GAETZ 7	138.00	T2	50584.2	200	23.0	23.3	26.5	0.00350
147	GAETZ 4	240.00	148	GAETZ 7	138.00	T1	51397.4	200	22.7	23.0	26.2	0.00345
148	GAETZ 7	138.00	383	JOFFRE 7	138.00	56	56227.1	154	-30.8	-30.5	-27.5	0.00329
148	GAETZ 7	138.00	383	JOFFRE 7	138.00	93	56242.9	154	-30.8	-30.5	-27.5	0.00329
99	BENALTO7	138.00	780	SYLV_138	138.00	1	72100.1	128	-1.4	-1.2	0.4	0.00179
118	RED DE B	138.00	780	SYLV_138	138.00	1	79717.8	128	14.4	14.3	12.6	-0.00179
148	GAETZ 7	138.00	384	UC PRENT	138.00	59	84202.8	154	5.3	5.5	7.1	0.00177
95	PONOKA 7	138.00	192	NELSON L	138.00	1	>99999.	96	6.4	6.4	6.4	0.00000
97	ECKVILL7	138.00	956	758L JCT	138.00	58	>99999.	85	-12.5	-12.5	-12.5	0.00000
98	RIMBEY 7	138.00	956	758L JCT	138.00	57	>99999.	85	-15.9	-15.9	-15.9	0.00000
99	BENALTO7	138.00	956	758L JCT	138.00	57	>99999.	85	28.5	28.5	28.5	0.00000
114	LACOMBE7	138.00	116	W LACOMB	138.00	80	>99999.	75	-8.6	-8.6	-8.6	0.00000
119	N RED D7	138.00	802	787LSKP2	138.00	78	>99999.	180	-101.8	-101.6	-100.4	0.00139
122	MADDEN 7	138.00	982	MADDEN T	138.00	89	>99999.	75	-10.1	-10.1	-10.1	0.00000
124	HARMATT7	138.00	97619	HGF1	138.00	01	>99999.	174	0.6	0.6	0.6	0.00000
126	SHELL H7	138.00	957	166L JNC	138.00	66	>99999.	85	-2.2	-2.2	-2.2	0.00000
142	KINGMAN7	138.00	946	KING TAP	138.00	32	>99999.	86	0.0	0.0	0.0	0.00000
148	GAETZ 7	138.00	801	787LSKP1	138.00	78	>99999.	180	102.0	101.8	100.6	-0.00139
152	RED DEE4	240.00	93700	RED DEER LUM25.000	240.00	T1	>99999.	240	0.0	0.0	0.0	0.00000
205	AMOCO R7	138.00	257	LIMESTO7	138.00	64	>99999.	121	14.6	14.6	14.6	0.00000
205	AMOCO R7	138.00	890	AMOCO TP	138.00	19	>99999.	121	-18.8	-18.8	-18.8	0.00000
354	NOVA C17	138.00	383	JOFFRE 7	138.00	1	>99999.	327	82.2	82.2	82.2	0.00000
355	NOVA C27	138.00	383	JOFFRE 7	138.00	2	>99999.	327	152.3	152.3	152.3	0.00000

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382 SHELL RA	138.00	881 RAVEN TP	138.00	19 >99999.	121	-3.4	-3.4	-3.4	0.00000
383 JOFFRE 7	138.00	384 UC PRENT	138.00	75 >99999.	154	42.2	42.1	41.3	-0.00089
383 JOFFRE 7	138.00	398 BROOKFLD	138.00	89 >99999.	125	4.7	4.7	4.7	0.00000
383 JOFFRE 7	138.00	975 COMINTAP	138.00	84 >99999.	154	44.4	44.3	43.5	-0.00088
384 UC PRENT	138.00	388 ELLIS 7	138.00	74 >99999.	154	-12.6	-12.5	-11.7	0.00088
385 SHELL SC	138.00	882 SCHRA TP	138.00	48 >99999.	121	-11.4	-11.4	-11.4	0.00000
386 SHELL EA	138.00	883 EAGLE TP	138.00	19 >99999.	121	-8.6	-8.6	-8.6	0.00000
387 COMINC07	138.00	975 COMINTAP	138.00	84 >99999.	101	-0.3	-0.3	-0.3	0.00000
388 ELLIS 7	138.00	975 COMINTAP	138.00	84 >99999.	154	-43.9	-43.8	-43.0	0.00088
440 TRUE WEL	138.00	899 TRUE W T	138.00	29 >99999.	98	0.0	0.0	0.0	0.00000
801 787LSKP1	138.00	802 787LSKP2	138.00	68 >99999.	180	51.0	50.9	50.3	-0.00069
801 787LSKP1	138.00	802 787LSKP2	138.00	78 >99999.	180	51.0	50.9	50.3	-0.00069

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CENTRAL AREA STUDY PAGE 2

2012 SUMMER LIGHT BASE CASE REVISION 6.5

*** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

SOLUTION OF 93 SYSTEM CONDITIONS ATTEMPTED 0 INSOLUBLE SYSTEM CONDITIONS

INCR. TRANS <-----> CAPAB <----->	FROM	LIMITING ELEMENT <-----> TO	CKT	DISTR. FACTOR	PRE-SHIFT MW	RATING BAS/CNT A/A	<----->
CONTINGENCY DESCRIPTION <----->							
-295.5	115 S RED DE	138.00	119 N RED D7	138.00 80	-0.10224	-151.2	121.0 OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14				
-232.1	117 RED DE A	138.00	118 RED DE B	138.00 1	0.03718	129.6	121.0 OPEN 155 [BENALTO4
240.00]	TO 99 [BENALTO7	138.00]	CKT T2				
-22.9	148 GAETZ 7	138.00	801 787LSKP1	138.00 78	0.06714	181.5	180.0 OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14				
-19.7	119 N RED D7	138.00	802 787LSKP2	138.00 78	-0.06714	-181.3	180.0 OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14				
76.1	374 BIGSTON7	138.00	804 803/804X	138.00 04	0.03776	123.1	126.0 OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14				
86.8	93 WETASKI7	138.00	803 803/804N	138.00 04	-0.03776	-122.7	126.0 OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14				
271.0	115 S RED DE	138.00	119 N RED D7	138.00 80	-0.04236	-109.5	121.0 OPEN 155 [BENALTO4
240.00]	TO 99 [BENALTO7	138.00]	CKT T2				
278.6	115 S RED DE	138.00	119 N RED D7	138.00 80	-0.04301	-109.0	121.0 OPEN 383 [JOFFRE 7
138.00]	TO 664 [PIPER CR	138.00]	CKT 55				
285.2	120 INNISFA7	138.00	121 OLDS 7	138.00 80	0.03707	111.4	122.0 OPEN 107 [SUNDRE 7
138.00]	TO 370 [SHELL C7	138.00]	CKT 19				
350.0	117 RED DE A	138.00	118 RED DE B	138.00 1	0.05832	100.6	121.0 OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14				
395.6	101 COOKING7	138.00	65 BARDO 7	138.00 74	0.01570	78.8	85.0 OPEN 93 [WETASKI7
138.00]	TO 899 [TRUE W T	138.00]	CKT 29				
406.9	101 COOKING7	138.00	65 BARDO 7	138.00 74	0.01570	78.6	85.0 OPEN 94 [ERVICK 7

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138.00] TO 899 [TRUE W T	138.00] CKT 29							
444.3 155 BENALTO4	240.00 135 SUNDANC4	240.00 26	-0.19575	-379.0	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 22							
444.3 135 SUNDANC4	240.00 155 BENALTO4	240.00 26	0.19575	379.0	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 22							
448.0 135 SUNDANC4	240.00 155 BENALTO4	240.00 22	0.19551	378.4	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 26							
448.0 155 BENALTO4	240.00 135 SUNDANC4	240.00 22	-0.19551	-378.4	466.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 26							
462.9 128 ELLERSLI	240.00 81 BIGSTON4	240.00 14	0.19363	391.4	481.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10							
482.9 115 S RED DE	138.00 117 RED DE A	138.00 80	0.10224	124.6	174.0	OPEN	147	[GAETZ 4
240.00] TO 152 [RED DEE4	240.00] CKT 14							
489.9 152 RED DEE4	240.00 155 BENALTO4	240.00 00	-0.16888	-383.3	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10							
533.7 117 RED DE A	138.00 118 RED DE B	138.00 1	0.03390	102.9	121.0	OPEN	383	[JOFFRE 7
138.00] TO 664 [PIPER CR	138.00] CKT 55							
534.9 101 COOKING7	138.00 65 BARDO 7	138.00 74	0.02576	71.2	85.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10							
538.6 152 RED DEE4	240.00 155 BENALTO4	240.00 00	-0.17455	-372.0	466.0	OPEN	155	[BENALTO4
240.00] TO 187 [BEDDING1	240.00] CKT 18							
571.5 115 S RED DE	138.00 119 N RED D7	138.00 80	-0.04301	-96.4	121.0	OPEN	118	[RED DE B
138.00] TO 664 [PIPER CR	138.00] CKT 55							
591.8 152 RED DEE4	240.00 155 BENALTO4	240.00 00	-0.15488	-374.3	466.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06							
594.8 152 RED DEE4	240.00 155 BENALTO4	240.00 00	-0.15487	-373.9	466.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28							
595.9 101 COOKING7	138.00 65 BARDO 7	138.00 74	0.02075	72.6	85.0	OPEN	374	[BIGSTON7
138.00] TO 804 [803/804X	138.00] CKT 04							
598.7* 101 COOKING7	138.00 65 BARDO 7	138.00 74	0.02075	72.6	85.0	OPEN	93	[WETASKI7
138.00] TO 803 [803/804N	138.00] CKT 04							
626.3 155 BENALTO4	240.00 187 BEDDING1	240.00 18	0.20084	291.2	417.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06							
627.1 155 BENALTO4	240.00 161 SARCEE 4	240.00 06	0.17446	339.6	449.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28							
627.5 155 BENALTO4	240.00 187 BEDDING1	240.00 18	0.20084	291.0	417.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28							
632.4 155 BENALTO4	240.00 161 SARCEE 4	240.00 28	0.17445	338.7	449.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06							
636.2 120 INNISFA7	138.00 121 OLDS 7	138.00 80	0.03707	98.4	122.0	OPEN	107	[SUNDRE 7
138.00] TO 883 [EAGLE TP	138.00] CKT 19							
656.5 99 BENALT07	138.00 155 BENALTO4	240.00 T2	-0.03803	-175.0	200.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00							
661.6* 152 RED DEE4	240.00 155 BENALTO4	240.00 00	-0.16243	-358.5	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14							
674.1 152 RED DEE4	240.00 988 CROSSF T	240.00 01	0.17810	287.9	408.0	OPEN	152	[RED DEE4
240.00] TO 160 [JANET 4	240.00] CKT 29							
674.2 152 RED DEE4	240.00 988 CROSSF T	240.00 01	0.17809	287.9	408.0	OPEN	152	[RED DEE4
240.00] TO 160 [JANET 4	240.00] CKT 25							

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707.9	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03083	100.2	122.0	OPEN 99 [BENALT07
138.00]	TO 882 [SCHRA TP	138.00]	CKT 48						
720.2	155 BENALT04	240.00	187 BEDDING1	240.00	18	0.18980	280.3	417.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALT04	240.00]	CKT 00						
721.2	123 DIDSBUY	138.00	982 MADDEN T	138.00	80	0.05240	84.2	122.0	OPEN 155 [BENALT04
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06						
722.5	123 DIDSBUY	138.00	982 MADDEN T	138.00	80	0.05240	84.1	122.0	OPEN 155 [BENALT04
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28						
724.8	155 BENALT04	240.00	187 BEDDING1	240.00	18	0.19609	274.9	417.0	OPEN 152 [RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
729.5	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.17686	279.0	408.0	OPEN 155 [BENALT04
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
734.1	123 DIDSBUY	138.00	982 MADDEN T	138.00	80	0.05419	82.2	122.0	OPEN 155 [BENALT04
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
741.9	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16487	358.7	481.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALT04	240.00]	CKT 00						
743.6	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16890	355.4	481.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
744.5	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16885	355.3	481.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
751.1	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.05938	77.4	122.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
751.4	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.02972	-97.7	120.0	OPEN 118 [RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80						
752.5	123 DIDSBUY	138.00	982 MADDEN T	138.00	80	0.05279	82.3	122.0	OPEN 152 [RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
752.7*	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.16615	355.9	481.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90						
755.7	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03707	94.0	122.0	OPEN 107 [SUNDRE 7
138.00]	TO 370 [SHELL C7	138.00]	CKT 19						
757.2	155 BENALT04	240.00	161 SARCEE 4	240.00	06	0.17344	317.7	449.0	OPEN 155 [BENALT04
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
762.4	420 KEEHPIL4	240.00	155 BENALT04	240.00	90	0.15295	349.4	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 03						
762.4	155 BENALT04	240.00	420 KEEHPIL4	240.00	90	-0.15295	-349.4	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 03						
764.4	155 BENALT04	240.00	161 SARCEE 4	240.00	28	0.17342	316.4	449.0	OPEN 155 [BENALT04
240.00]	TO 187 [BEDDING1	240.00]	CKT 18						
769.0*	155 BENALT04	240.00	187 BEDDING1	240.00	18	0.19254	268.9	417.0	OPEN 152 [RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29						
771.4	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03707	93.4	122.0	OPEN 124 [HARMATT7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
780.4	155 BENALT04	240.00	420 KEEHPIL4	240.00	03	-0.15205	-347.3	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90						
780.4	420 KEEHPIL4	240.00	155 BENALT04	240.00	03	0.15205	347.3	466.0	OPEN 155 [BENALT04
240.00]	TO 420 [KEEHPIL4	240.00]	CKT 90						
786.3*	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04307	-87.1	121.0	OPEN 155 [BENALT04
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
787.2	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.16686	276.6	408.0	OPEN 155 [BENALT04

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240.00] TO 161 [SARCEE 4	240.00] CKT 06								
788.0 128 ELLERSLI	240.00 152 RED DEE4	240.00	10	0.19371	313.4	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
788.0 152 RED DEE4	240.00 128 ELLERSLI	240.00	10	-0.19371	-313.4	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
788.3* 152 RED DEE4	240.00 988 CROSSF T	240.00	01	0.16686	276.5	408.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28								
796.5* 123 DIDSBUY	138.00 982 MADDEN T	138.00	80	0.05186	80.7	122.0	OPEN	152	[RED DEE4
240.00] TO 160 [JANET 4	240.00] CKT 29								
828.6 155 BENALTO4	240.00 135 SUNDANC4	240.00	26	-0.17048	-324.7	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
828.6 135 SUNDANC4	240.00 155 BENALTO4	240.00	26	0.17048	324.7	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
834.7 135 SUNDANC4	240.00 155 BENALTO4	240.00	22	0.17018	323.9	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
834.7 155 BENALTO4	240.00 135 SUNDANC4	240.00	22	-0.17018	-323.9	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
837.7* 120 INNISFA7	138.00 121 OLDS 7	138.00	80	0.03083	96.2	122.0	OPEN	370	[SHELL C7
138.00] TO 882 [SCHRA TP	138.00] CKT 48								
844.3 155 BENALTO4	240.00 135 SUNDANC4	240.00	26	-0.16565	-326.1	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 90								
844.3 135 SUNDANC4	240.00 155 BENALTO4	240.00	26	0.16565	326.1	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 90								
845.6 124 HARMATT7	138.00 957 166L JNC	138.00	66	0.02972	52.9	78.0	OPEN	118	[RED DE B
138.00] TO 120 [INNISFA7	138.00] CKT 80								
847.6 135 SUNDANC4	240.00 155 BENALTO4	240.00	26	0.16548	325.7	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 03								
847.6 155 BENALTO4	240.00 135 SUNDANC4	240.00	26	-0.16548	-325.7	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 03								
850.6 135 SUNDANC4	240.00 155 BENALTO4	240.00	22	0.16536	325.3	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 90								
850.6 155 BENALTO4	240.00 135 SUNDANC4	240.00	22	-0.16536	-325.3	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 90								
853.9 135 SUNDANC4	240.00 155 BENALTO4	240.00	22	0.16519	324.9	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 03								
853.9 155 BENALTO4	240.00 135 SUNDANC4	240.00	22	-0.16519	-324.9	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPPHIL4	240.00] CKT 03								
868.0* 155 BENALTO4	240.00 135 SUNDANC4	240.00	26	-0.16964	-318.8	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
868.0* 135 SUNDANC4	240.00 155 BENALTO4	240.00	26	0.16964	318.8	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
874.2* 155 BENALTO4	240.00 135 SUNDANC4	240.00	22	-0.16934	-318.0	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
874.2* 135 SUNDANC4	240.00 155 BENALTO4	240.00	22	0.16934	318.0	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
900.8 113 BLACKFA7	138.00 116 W LACOMB	138.00	80	-0.05938	-42.5	96.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
920.8 155 BENALTO4	240.00 161 SARCEE 4	240.00	06	0.15288	308.2	449.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00								

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929.0	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.15287	307.0	449.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
934.0	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.02073	-65.6	85.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
945.3	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.15737	300.2	449.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01								
953.2	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.15735	299.0	449.0	OPEN	152	[RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01								
959.8	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.03530	51.1	85.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
961.7	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.03528	51.1	85.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
962.7	117 RED DE A	138.00	118 RED DE B	138.00	1	0.03390	88.4	121.0	OPEN	118	[RED DE B
138.00]	TO 664 [PIPER CR	138.00]	CKT 55								
970.9	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17030	-300.7	466.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
970.9	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17030	300.7	466.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
972.2*	155 BENALTO4	240.00	161 SARCEE 4	240.00	06	0.15580	297.5	449.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
980.2*	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.15579	296.3	449.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
984.3	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17367	-295.0	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
984.3	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17367	295.0	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
985.3	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17362	-294.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
985.3	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17362	294.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
998.3	81 BIGSTON4	240.00	147 GAETZ 4	240.00	14	0.20120	298.1	499.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
1021.9	123 DIDSBUY	138.00	957 166L JNC	138.00	66	-0.02972	-50.6	81.0	OPEN	118	[RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80								
1022.4*	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.16953	292.7	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPPHIL4	240.00]	CKT 90								
1022.4*	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.16953	-292.7	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPPHIL4	240.00]	CKT 90								
1032.6	118 RED DE B	138.00	780 SYLV_138	138.00	1	0.01359	114.0	128.0	OPEN	155	[BENALTO4
240.00]	TO 99 [BENALT07	138.00]	CKT T2								
1033.7	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.02972	-89.3	120.0	OPEN	120	[INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80								
1106.7	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03707	81.0	122.0	OPEN	107	[SUNDRE 7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19								
1126.2	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00871	19.2	29.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
1128.0	124 HARMATT7	138.00	957 166L JNC	138.00	66	0.02972	44.5	78.0	OPEN	120	[INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80								
1128.0	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00870	19.2	29.0	OPEN	155	[BENALTO4

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240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1128.2	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03707	130.2	172.0	OPEN 107 [SUNDRE 7
138.00]	TO 370 [SHELL C7	138.00]	CKT 19						
1184.1	91 NISKU 7	138.00	93 WETASKI7	138.00	58	0.02845	62.3	96.0	OPEN 374 [BIGSTON7
138.00]	TO 804 [803/804X	138.00]	CKT 04						
1186.1	420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	0.13633	304.3	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1186.1	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.13633	-304.3	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1187.4	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.13628	-304.2	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1187.4	420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	0.13628	304.2	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1190.8	91 NISKU 7	138.00	93 WETASKI7	138.00	58	0.02845	62.1	96.0	OPEN 93 [WETASKI7
138.00]	TO 803 [803/804N	138.00]	CKT 04						
1191.3	95 PONOKA 7	138.00	116 W LACOMB	138.00	80	0.05938	51.3	122.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1203.9	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.01816	-63.1	85.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1205.7	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.13732	-300.4	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1205.7	420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	0.13732	300.4	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1215.9	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.13515	301.7	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1215.9	155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	-0.13515	-301.7	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1217.2	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.13510	301.5	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1217.2	155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	-0.13510	-301.5	466.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1226.4	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.04792	63.2	122.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1235.3	155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	-0.13613	-297.8	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1235.3	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.13613	297.8	466.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1241.9	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03707	76.0	122.0	OPEN 124 [HARMATT7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
1259.5	147 GAETZ 4	240.00	152 RED DEE4	240.00	14	0.19649	251.5	499.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1268.4	152 RED DEE4	240.00	160 JANET 4	240.00	29	0.16711	269.0	481.0	OPEN 152 [RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
1269.3	152 RED DEE4	240.00	160 JANET 4	240.00	25	0.16705	269.0	481.0	OPEN 152 [RED DEE4
240.00]	TO 988 [CROSSF T	240.00]	CKT 01						
1273.7	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03083	82.7	122.0	OPEN 99 [BENALTO7
138.00]	TO 882 [SCHRA TP	138.00]	CKT 48						
1273.7*	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.13574	-293.1	466.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						

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1273.7*	420	KEEPHIL4	240.00	155	BENALTO4	240.00	90	0.13574	293.1	466.0	OPEN 147 [GAETZ 4
240.00]	TO 81	[BIGSTON4	240.00]	CKT 14							
1296.4	107	SUNDRE 7	138.00	370	SHELL C7	138.00	19	-0.02972	-81.5	120.0	OPEN 121 [OLDS 7
138.00]	TO 123	[DIDSBURY	138.00]	CKT 80							
1303.7*	155	BENALTO4	240.00	420	KEEPHIL4	240.00	03	-0.13457	-290.6	466.0	OPEN 147 [GAETZ 4
240.00]	TO 81	[BIGSTON4	240.00]	CKT 14							
1303.7*	420	KEEPHIL4	240.00	155	BENALTO4	240.00	03	0.13457	290.6	466.0	OPEN 147 [GAETZ 4
240.00]	TO 81	[BIGSTON4	240.00]	CKT 14							
1304.2	123	DIDSBURY	138.00	957	166L JNC	138.00	66	-0.02972	-42.2	81.0	OPEN 120 [INNISFA7
138.00]	TO 121	[OLDS 7	138.00]	CKT 80							
1305.3	81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	0.17849	266.0	499.0	OPEN 155 [BENALTO4
240.00]	TO 135	[SUNDANC4	240.00]	CKT 26							
1306.4	81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	0.17844	265.9	499.0	OPEN 155 [BENALTO4
240.00]	TO 135	[SUNDANC4	240.00]	CKT 22							
1309.9	152	RED DEE4	240.00	160	JANET 4	240.00	29	0.16484	265.1	481.0	OPEN 152 [RED DEE4
240.00]	TO 160	[JANET 4	240.00]	CKT 25							
1310.6	152	RED DEE4	240.00	160	JANET 4	240.00	25	0.16480	265.0	481.0	OPEN 152 [RED DEE4
240.00]	TO 160	[JANET 4	240.00]	CKT 29							
1322.1	81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	0.17392	269.1	499.0	OPEN 152 [RED DEE4
240.00]	TO 155	[BENALTO4	240.00]	CKT 00							
1363.4*	81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	0.17362	262.3	499.0	OPEN 155 [BENALTO4
240.00]	TO 420	[KEEPHIL4	240.00]	CKT 90							
1387.1*	117	RED DE A	138.00	118	RED DE B	138.00	1	0.03344	74.6	121.0	OPEN 152 [RED DEE4
240.00]	TO 988	[CROSSF T	240.00]	CKT 01							
1390.6	124	HARMATT7	138.00	957	166L JNC	138.00	66	0.02972	36.7	78.0	OPEN 121 [OLDS 7
138.00]	TO 123	[DIDSBURY	138.00]	CKT 80							
1403.6*	121	OLDS 7	138.00	123	DIDSBURY	138.00	80	0.03083	78.7	122.0	OPEN 370 [SHELL C7
138.00]	TO 882	[SCHRA TP	138.00]	CKT 48							
1411.9	113	BLACKFA7	138.00	116	W LACOMB	138.00	80	-0.04792	-28.3	96.0	OPEN 152 [RED DEE4
240.00]	TO 128	[ELLERSLI	240.00]	CKT 10							
1414.5	68	N HOLDE7	138.00	65	BARDO 7	138.00	74	-0.01765	-60.0	85.0	OPEN 147 [GAETZ 4
240.00]	TO 152	[RED DEE4	240.00]	CKT 14							
1422.0	152	RED DEE4	240.00	160	JANET 4	240.00	29	0.16072	252.5	481.0	OPEN 155 [BENALTO4
240.00]	TO 187	[BEDDING1	240.00]	CKT 18							
1423.0	152	RED DEE4	240.00	160	JANET 4	240.00	25	0.16067	252.4	481.0	OPEN 155 [BENALTO4
240.00]	TO 187	[BEDDING1	240.00]	CKT 18							
1449.8	93	WETASKI7	138.00	95	PONOKA 7	138.00	16	0.04401	58.2	122.0	OPEN 155 [BENALTO4
240.00]	TO 135	[SUNDANC4	240.00]	CKT 26							
1450.9	93	WETASKI7	138.00	95	PONOKA 7	138.00	16	0.04399	58.2	122.0	OPEN 155 [BENALTO4
240.00]	TO 135	[SUNDANC4	240.00]	CKT 22							
1476.7	152	RED DEE4	240.00	160	JANET 4	240.00	29	0.15385	253.8	481.0	OPEN 155 [BENALTO4
240.00]	TO 161	[SARCEE 4	240.00]	CKT 06							
1477.7	152	RED DEE4	240.00	160	JANET 4	240.00	25	0.15380	253.7	481.0	OPEN 155 [BENALTO4
240.00]	TO 161	[SARCEE 4	240.00]	CKT 06							
1477.8*	152	RED DEE4	240.00	160	JANET 4	240.00	29	0.15385	253.6	481.0	OPEN 155 [BENALTO4
240.00]	TO 161	[SARCEE 4	240.00]	CKT 28							
1478.8*	152	RED DEE4	240.00	160	JANET 4	240.00	25	0.15380	253.6	481.0	OPEN 155 [BENALTO4
240.00]	TO 161	[SARCEE 4	240.00]	CKT 28							
1479.2	118	RED DE B	138.00	120	INNISFA7	138.00	80	0.03707	117.2	172.0	OPEN 107 [SUNDRE 7

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138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
1506.5	147 GAETZ 4	240.00	152 RED DEE4	240.00	14	0.17389	237.0	499.0	OPEN 152 [RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00						
1510.5	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.02989	39.9	85.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1518.2	107 SUNDRE 7	138.00	883 EAGLE TP	138.00	19	0.02972	74.9	120.0	OPEN 118 [RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80						
1537.6	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.02985	39.1	85.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1543.6	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.01671	-59.2	85.0	OPEN 93 [WETASKI7
138.00]	TO 95 [PONOKA 7	138.00]	CKT 16						
1556.2*	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.04229	56.2	122.0	OPEN 155 [BENALTO4
240.00]	TO 420 [KEEPPHIL4	240.00]	CKT 90						
1566.9	123 DIDSBUY	138.00	957 166L JNC	138.00	66	-0.02972	-34.4	81.0	OPEN 121 [OLDS 7
138.00]	TO 123 [DIDSBUY	138.00]	CKT 80						
1574.9	113 BLACKFA7	138.00	119 N RED D7	138.00	80	0.05938	28.5	122.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1598.2	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00761	16.8	29.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1598.6	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00767	16.7	29.0	OPEN 147 [GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14						
1614.4	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03707	112.2	172.0	OPEN 124 [HARMATT7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19						
1651.3*	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.01552	-59.4	85.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1651.7	113 BLACKFA7	138.00	116 W LACOMB	138.00	80	-0.04401	-23.3	96.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1652.9	113 BLACKFA7	138.00	116 W LACOMB	138.00	80	-0.04399	-23.3	96.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1690.8	147 GAETZ 4	240.00	152 RED DEE4	240.00	14	0.16970	212.1	499.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26						
1692.0	147 GAETZ 4	240.00	152 RED DEE4	240.00	14	0.16965	212.0	499.0	OPEN 155 [BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22						
1694.4	383 JOFFRE 7	138.00	664 PIPER CR	138.00	55	0.02885	71.1	120.0	OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
1714.8*	20 EDSON 7	138.00	39 CYNTHIA7	138.00	02	0.02828	36.5	85.0	OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14						
1721.7	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03083	118.9	172.0	OPEN 99 [BENALTO7
138.00]	TO 882 [SCHRA TP	138.00]	CKT 48						
1722.3*	147 GAETZ 4	240.00	152 RED DEE4	240.00	14	0.16776	210.1	499.0	OPEN 115 [S RED DE
138.00]	TO 119 [N RED D7	138.00]	CKT 80						
1729.5	383 JOFFRE 7	138.00	664 PIPER CR	138.00	55	0.02381	78.8	120.0	OPEN 115 [S RED DE
138.00]	TO 119 [N RED D7	138.00]	CKT 80						
1766.4*	113 BLACKFA7	138.00	116 W LACOMB	138.00	80	-0.04229	-21.3	96.0	OPEN 155 [BENALTO4
240.00]	TO 420 [KEEPPHIL4	240.00]	CKT 90						
1771.9	95 PONOKA 7	138.00	116 W LACOMB	138.00	80	0.04792	37.1	122.0	OPEN 152 [RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10						
1800.6	107 SUNDRE 7	138.00	883 EAGLE TP	138.00	19	0.02972	66.5	120.0	OPEN 120 [INNISFA7
138.00]	TO 121 [OLDS 7	138.00]	CKT 80						

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1813.6	124 HARMATT7	138.00	883 EAGLE TP	138.00	19	-0.02972	-66.1	120.0	OPEN	118	[RED DE B
138.00]	TO 120 [INNISFA7	138.00]	CKT 80								
1818.2*	118 RED DE B	138.00	120 INNISFA7	138.00	80	0.03707	104.6	172.0	OPEN	124	[HARMATT7
138.00]	TO 957 [166L JNC	138.00]	CKT 66								
1834.2	99 BENALTO7	138.00	155 BENALTO4	240.00	T2	-0.03146	-142.3	200.0	OPEN	155	[BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18								
1888.8	91 NISKU 7	138.00	93 WETASKI7	138.00	58	0.02299	52.6	96.0	OPEN	81	[BIGSTON4
240.00]	TO 374 [BIGSTON7	138.00]	CKT T1								
1908.2	81 BIGSTON4	240.00	374 BIGSTON7	138.00	T1	0.02882	145.0	200.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
1992.3	99 BENALTO7	138.00	780 SYLV_138	138.00	1	-0.01358	-100.9	128.0	OPEN	155	[BENALTO4
240.00]	TO 99 [BENALTO7	138.00]	CKT T2								
1993.4	91 NISKU 7	138.00	93 WETASKI7	138.00	58	0.03090	34.4	96.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
1994.3*	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00678	15.5	29.0	BASE CASE		
1998.2	99 BENALTO7	138.00	155 BENALTO4	240.00	T2	-0.02840	-143.2	200.0	OPEN	155	[BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06								

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2012 SUMMER LIGHT BASE CASE REVISION 6.5

*** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

* MONITORED ELEMENTS OCCURRING 5 OR MORE TIMES

NO.	MONITORED ELEMENT		NO.	MONITORED ELEMENT	
TIMES	F R O M	T O	TIMES	F R O M	T O
51	115 S RED DE	138.00	119	N RED D7	138.00
48	81 BIGSTON4	240.00	147	GAETZ 4	240.00
46	128 ELLERSLI	240.00	81	BIGSTON4	240.00
46	152 RED DEE4	240.00	155	BENALTO4	240.00
44	120 INNISFA7	138.00	121	OLDS 7	138.00
42	123 DIDSBUY	138.00	982	MADDEN T	138.00
40	152 RED DEE4	240.00	988	CROSSF T	240.00
36	155 BENALTO4	240.00	161	SARCEE 4	240.00
36	155 BENALTO4	240.00	161	SARCEE 4	240.00
35	155 BENALTO4	240.00	187	BEDDING1	240.00
32	152 RED DEE4	240.00	160	JANET 4	240.00
32	152 RED DEE4	240.00	160	JANET 4	240.00
30	152 RED DEE4	240.00	128	ELLERSLI	240.00
30	128 ELLERSLI	240.00	152	RED DEE4	240.00
30	93 WETASKI7	138.00	95	PONOKA 7	138.00
26	155 BENALTO4	240.00	135	SUNDANC4	240.00
26	155 BENALTO4	240.00	135	SUNDANC4	240.00
26	135 SUNDANC4	240.00	155	BENALTO4	240.00
26	155 BENALTO4	240.00	420	KEEPHIL4	240.00
26	155 BENALTO4	240.00	420	KEEPHIL4	240.00

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26	135	SUNDANC4	240.00	155	BENALT04 240.00 26
26	420	KEEPHIL4	240.00	155	BENALT04 240.00 03
26	420	KEEPHIL4	240.00	155	BENALT04 240.00 90
24	101	COOKING7	138.00	65	BARDO 7 138.00 74
22	121	OLDS 7	138.00	123	DIDSBURY 138.00 80
17	117	RED DE A	138.00	118	RED DE B 138.00 1
17	68	N HOLDE7	138.00	65	BARDO 7 138.00 74
14	147	GAETZ 4	240.00	152	RED DEE4 240.00 14
12	113	BLACKFA7	138.00	116	W LACOMB 138.00 80
11	20	EDSON 7	138.00	39	CYNTHIA7 138.00 02
10	118	RED DE B	138.00	120	INNISFA7 138.00 80
5	25	ENTWIST8	69.000	28	MOON LA8 69.000 29

 PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, AUG 30 2010 7:51
 2012 S3_SOK_PK PAGE 1
 2012 SUMMER PEAK CASE
 *** TLTG EXPORT LIMIT OUTPUT FOR BASE CASE ***

DISTRIBUTION FACTOR FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 SUBSYSTEM DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 MONITORED ELEMENT FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)
 CONTINGENCY DESCRIPTION FILE: C:\Documents and Settings\zheny2\My Documents\AES0-RED DEER\Planning Aug
 2009\50_Modeling\TLTG(Transfer Capability Study)

	PRE-SHIFT	DELTA	POST-SHIFT
STUDY SYSTEM MW GENERATION:	7925.6	100.0	8025.6
OPPOSING SYSTEM MW GENERATION:	66.0	-100.0	-34.0
STUDY SYSTEM NET INTERCHANGE:	2088.5	100.0	2188.5

<----- STUDY SYSTEM ----->						<----- OPPOSING SYSTEM ----->									
<---- GENERATOR MW ---->						<---- GENERATOR MW ---->									
BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE	BUS#	X--	NAME	--X	BASKV	BASE	SHIFT	CHANGE
14		WESGEN 9		13.800	15.8	16.0	0.2	4187		CECGT		18.000	4.1	-64.8	-68.9
54		DOW GEN2		14.400	88.7	89.8	1.1	4290		BALZ 1&2		13.800	61.9	30.8	-31.1
130		SUND#3GN		20.000	380.0	384.5	4.5								
338		SUND#2GN		18.000	301.0	304.4	3.4								
342		SUND#4GN		20.000	433.0	437.5	4.5								
345		SUND#5GN		20.000	433.0	437.5	4.5								
350		SUND#6GN		20.000	429.0	433.8	4.8								
408		WHITEGE9		12.500	25.0	25.4	0.4								
422		KEEP#1GN		19.000	408.0	412.5	4.5								
424		KEEP#2GN		19.000	408.0	412.5	4.5								
454		DOW GEN1		14.400	88.7	89.8	1.1								
490		GENES 39		22.000	486.0	491.9	5.9								
491		GENES 19		20.500	443.0	447.9	4.9								
492		GENES 29		20.500	413.0	417.9	4.9								
627		AIR LIQC		13.800	82.9	83.9	1.0								
1089		DIASHOW9		13.800	33.3	33.8	0.5								
1141		P&G 9		13.800	28.3	28.7	0.4								
1148		HR MILN9		15.000	159.0	160.7	1.7								
2030		DOWSTG 9		14.700	45.0	45.5	0.5								
2031		DOWGTG 9		13.800	80.8	81.8	1.0								
2248		MAHKE-G2		13.800	83.5	84.6	1.1								
2392		ALPAC2		13.800	89.1	90.6	1.5								
2405		CONKLIN2		13.800	78.9	79.9	1.0								

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2406	CONKLIN2	13.800	85.0	86.0	1.0
3050	REDW GT	13.800	37.1	37.8	0.7
3248	MAHKE-G1	13.800	83.5	84.6	1.1
3301	FCG1	13.800	41.8	42.2	0.4
3302	FCG2	13.800	41.8	42.2	0.4
4062	SHERRITT	4.1600	6.0	6.1	0.1
4185	SCOTF GT	13.800	87.1	88.2	1.1
7185	SCOTF ST	13.800	84.5	85.6	1.1
10236	MUSKEG4	13.800	78.9	80.0	1.1
11241	LONGLK11	13.800	10.8	10.9	0.1
12236	MUSKEG6	13.800	78.9	80.0	1.1
12249	LNGLKCG1	13.800	78.9	80.0	1.1
13249	LNGLKCG2	13.800	78.9	80.0	1.1
16218	SUNC_G19	13.800	29.7	30.1	0.4
16219	MIL_G3	13.800	60.3	61.1	0.8
16233	SYNC_UE5	13.800	78.9	79.9	1.0
17101	GPEP39	13.800	23.8	24.1	0.3
17209	SYNC_G39	13.800	20.6	20.9	0.3
17210	SYNC_G49	13.800	41.8	42.4	0.6
17233	SYNC_UE4	13.800	25.3	25.6	0.3
18206	AUR_GTG2	13.800	78.9	79.9	1.0
18207	AUR_GTG1	13.800	78.9	79.9	1.0
18208	MIL_G5 9	13.800	102.1	103.6	1.5
18209	SYNC_G29	13.800	41.8	42.4	0.6
18210	SYNC_G59	13.800	20.6	20.9	0.3
18218	SUNC_G29	13.800	29.7	30.1	0.4
18223	TAR-GN-2	13.800	69.6	70.5	0.9
18264	HORUP7	13.800	79.8	80.8	1.0
18274	MACKAY2	18.000	159.6	161.5	1.9
18302	PRIM GEN	13.800	88.2	89.3	1.1
19142	BEARCK3	13.800	32.3	32.7	0.4
19208	MIL_G6 9	13.800	102.1	103.6	1.5
19209	SYNC_G19	13.800	41.8	42.4	0.6
19210	SYNC_G69	13.800	55.7	56.5	0.8
19264	HORUP6	13.800	14.4	14.6	0.2
90351	KEEUN3	22.000	495.0	500.9	5.9
90517	SH_UG32	13.800	20.7	20.9	0.2
91521	BIOMASS1	12.500	33.0	33.4	0.4
91522	BIOMASS2	12.500	33.0	33.4	0.4
96083	SHELLCM2	18.000	177.1	179.6	2.5
96111	DUNVEG25	25.000	95.0	96.1	1.1
97252	FT. HILL	13.13.800	78.9	80.0	1.1
97253	FT. HILL	13.13.800	78.9	80.0	1.1
97275	G-L_CG2	13.800	157.8	159.9	2.1

LOADINGS AT OR ABOVE 100.0 %
OF RATING ARE MARKED WITH '*'

<----- F R O M -----> <----- T O -----> CKT
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INCR. <----- BASE CASE ----->
TRANS RATING PRE- POST- LIMIT
CAPAB A SHIFT SHIFT CASE DISTR.
MW MW MW FACTOR

Existing-2012SP-SOK-TLTG-Result.txt

115	S RED DE	138.00	119	N RED D7	138.00	80	524.7	121	-100.8	-104.7	-121.0*	-0.03842
155	BENALTO4	240.00	187	BEDDING1	240.00	18	538.2	417	290.6	314.1	413.8	0.23492
101	COOKING7	138.00	65	BARDO 7	138.00	74	835.4	85	65.9	68.2	77.9	0.02287
128	ELLERSLI	240.00	81	BIGSTON4	240.00	14	903.0	481	341.8	357.2	422.7	0.15415
120	INNISFA7	138.00	121	OLDS 7	138.00	80	929.3	122	96.5	99.2	110.9	0.02745
135	SUNDANC4	240.00	155	BENALTO4	240.00	26	990.8	466	323.2	337.6	398.8	0.14415
155	BENALTO4	240.00	135	SUNDANC4	240.00	26	990.8	466	-323.2	-337.6	-398.8	-0.14415
155	BENALTO4	240.00	135	SUNDANC4	240.00	22	998.5	466	-322.3	-336.7	-397.8	-0.14390
135	SUNDANC4	240.00	155	BENALTO4	240.00	22	998.5	466	322.3	336.7	397.8	0.14390
152	RED DEE4	240.00	988	CROSSF T	240.00	01	1131.7	408	244.5	258.9	320.3	0.14446
152	RED DEE4	240.00	128	ELLERSLI	240.00	10	1159.5	466	-284.7	-300.3	-366.7	-0.15639
128	ELLERSLI	240.00	152	RED DEE4	240.00	10	1159.5	466	284.7	300.3	366.7	0.15639
155	BENALTO4	240.00	161	SARCEE 4	240.00	06	1265.6	449	291.9	304.3	357.1	0.12411
155	BENALTO4	240.00	161	SARCEE 4	240.00	28	1278.3	449	290.4	302.8	355.5	0.12410
123	DIDSBURY	138.00	982	MADDEN T	138.00	80	1307.8	122	63.9	68.4	87.2	0.04441
68	N HOLDE7	138.00	65	BARDO 7	138.00	74	1406.9	85	-60.0	-61.8	-69.4	-0.01774
155	BENALTO4	240.00	420	KEEPHIL4	240.00	90	1418.5	466	-291.7	-304.0	-356.2	-0.12285
420	KEEPHIL4	240.00	155	BENALTO4	240.00	90	1418.5	466	291.7	304.0	356.2	0.12285
420	KEEPHIL4	240.00	155	BENALTO4	240.00	03	1451.5	466	289.2	301.4	353.1	0.12179
155	BENALTO4	240.00	420	KEEPHIL4	240.00	03	1451.5	466	-289.2	-301.4	-353.1	-0.12179
81	BIGSTON4	240.00	147	GAETZ 4	240.00	14	1604.1	499	242.6	258.6	326.5	0.15986
147	GAETZ 4	240.00	152	RED DEE4	240.00	14	1618.8	499	254.0	269.1	333.4	0.15137
152	RED DEE4	240.00	155	BENALTO4	240.00	00	1751.1	466	-333.2	-340.7	-373.0	-0.07586
117	RED DE A	138.00	118	RED DE B	138.00	1	1772.2	121	69.0	72.0	84.4	0.02933
93	WETASKI7	138.00	95	PONOKA 7	138.00	16	1884.1	122	49.2	53.0	69.5	0.03865
25	ENTWIST8	69.000	28	MOON LA8	69.000	29	1904.2	29	17.1	17.8	20.4	0.00623
121	OLDS 7	138.00	123	DIDSBURY	138.00	80	1908.4	122	69.6	72.4	84.0	0.02745
118	RED DE B	138.00	120	INNISFA7	138.00	80	1908.8	172	119.6	122.3	134.0	0.02745
20	EDSON 7	138.00	39	CYNTHIA7	138.00	02	1974.5	85	36.8	39.3	49.6	0.02440
113	BLACKFA7	138.00	116	W LACOMB	138.00	80	2117.6	96	-14.2	-18.0	-34.4	-0.03865
152	RED DEE4	240.00	160	JANET 4	240.00	29	2192.2	481	216.0	228.1	279.5	0.12086
152	RED DEE4	240.00	160	JANET 4	240.00	25	2193.5	481	216.0	228.1	279.4	0.12082
383	JOFFRE 7	138.00	664	PIPER CR	138.00	55	2556.7	120	97.7	98.6	102.3	0.00871
95	PONOKA 7	138.00	116	W LACOMB	138.00	80	2604.7	122	21.3	25.2	41.6	0.03865
115	S RED DE	138.00	117	RED DE A	138.00	80	2748.3	174	68.4	72.2	88.6	0.03842
91	NISKU 7	138.00	93	WETASKI7	138.00	58	2788.7	96	25.0	27.6	38.4	0.02544
1383	VERMIL07	138.00	79	BUFFAL07	138.00	50	3156.6	114	32.7	35.3	46.2	0.02576
76	IPPL ST7	138.00	1491	BAT. RV7	138.00	01	3295.4	112	16.3	19.3	31.6	0.02903
107	SUNDRE 7	138.00	370	SHELL C7	138.00	19	3460.8	120	-61.3	-63.0	-70.2	-0.01695
113	BLACKFA7	138.00	119	N RED D7	138.00	80	3510.6	122	-13.7	-9.8	6.6	0.03865
99	BENALTO7	138.00	155	BENALTO4	240.00	T2	3948.1	200	-138.2	-139.8	-146.4	-0.01565
124	HARMATT7	138.00	957	166L JNC	138.00	66	4637.6	78	-0.6	1.1	8.3	0.01695
862	PV-TAP7	138.00	362	EDGERT07	138.00	49	4812.3	85	9.7	11.2	17.9	0.01565
123	DIDSBURY	138.00	957	166L JNC	138.00	66	5065.4	81	4.9	3.2	-4.0	-0.01695
374	BIGSTON7	138.00	804	803/804X	138.00	04	5104.8	126	84.8	85.6	89.0	0.00808
93	WETASKI7	138.00	803	803/804N	138.00	04	5165.7	126	-84.3	-85.1	-88.5	-0.00808
107	SUNDRE 7	138.00	883	EAGLE TP	138.00	19	5501.5	120	26.7	28.4	35.6	0.01695
124	HARMATT7	138.00	883	EAGLE TP	138.00	19	6285.3	120	-13.5	-15.1	-22.4	-0.01695
118	RED DE B	138.00	664	PIPER CR	138.00	55	6415.9	120	-64.1	-65.0	-68.7	-0.00871

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96	DEVON 7	138.00	365	BUFORD 7	138.00	38	6575.2	121	30.3	31.7	37.6	0.01379
105	PIGEON 7	138.00	374	BIGSTON7	138.00	05	7179.8	85	-14.0	-12.6	-6.8	0.01379
155	BENALTO4	240.00	995	W.GRN TP	240.00	95	7391.8	466	-155.8	-160.0	-177.9	-0.04196
356	BON GLE7	138.00	365	BUFORD 7	138.00	38	7753.9	121	-14.1	-15.4	-21.3	-0.01379
99	BENALTO7	138.00	882	SCHRA TP	138.00	48	8372.6	174	76.9	78.1	83.0	0.01160
423	KEEPHIL7	138.00	49	KEYSTON7	138.00	34	8503.0	158	61.7	62.8	67.7	0.01132
105	PIGEON 7	138.00	356	BON GLE7	138.00	37	8660.9	119	0.4	-0.9	-6.8	-0.01379
370	SHELL C7	138.00	882	SCHRA TP	138.00	48	10049.6	174	-57.4	-58.6	-63.5	-0.01160
104	STRACHA7	138.00	890	AMOCO TP	138.00	19	11141.3	120	60.4	60.9	63.2	0.00535
	INTERFACE SOK						13038.5	2050	-265.7	-279.4	-337.5	-0.13685
99	BENALTO7	138.00	100	ROCKY M7	138.00	17	13189.9	112	41.4	41.9	44.2	0.00535
70	CAMROSE7	138.00	946	KING TAP	138.00	30	15444.7	85	-5.8	-6.3	-8.5	-0.00513
65	BARDO 7	138.00	946	KING TAP	138.00	30	15628.8	86	5.9	6.4	8.5	0.00513
881	RAVEN TP	138.00	890	AMOCO TP	138.00	19	16553.3	120	-31.4	-31.9	-34.2	-0.00535
370	SHELL C7	138.00	881	RAVEN TP	138.00	19	17514.3	120	-26.2	-26.8	-29.1	-0.00535
152	RED DEE4	240.00	1422	NEVIS 4	240.00	12	18840.4	466	167.4	169.0	175.7	0.01585
70	CAMROSE7	138.00	94	ERVICK 7	138.00	29	20196.3	85	-18.6	-18.1	-15.9	0.00513
803	803/804N	138.00	804	803/804X	138.00	04	20726.7	126	-42.3	-42.7	-44.4	-0.00404
803	803/804N	138.00	804	803/804X	138.00	03	20726.7	126	-42.3	-42.7	-44.4	-0.00404
100	ROCKY M7	138.00	104	STRACHA7	138.00	70	21036.6	120	7.4	7.9	10.2	0.00535
118	RED DE B	138.00	152	RED DEE4	240.00	T2	22344.9	200	-7.2	-6.3	-2.3	0.00927
94	ERVICK 7	138.00	899	TRUE W T	138.00	29	22531.4	85	-30.5	-30.0	-27.8	0.00513
117	RED DE A	138.00	152	RED DEE4	240.00	T1	22760.1	200	-7.1	-6.2	-2.3	0.00910
93	WETASKI7	138.00	899	TRUE W T	138.00	29	24744.8	96	30.9	30.4	28.2	-0.00513
147	GAETZ 4	240.00	148	GAETZ 7	138.00	T2	48812.2	200	-8.6	-8.2	-6.4	0.00427
147	GAETZ 4	240.00	148	GAETZ 7	138.00	T1	49477.1	200	-8.4	-8.0	-6.2	0.00421
81	BIGSTON4	240.00	374	BIGSTON7	138.00	T1	52339.4	200	99.0	98.5	96.0	-0.00571
148	GAETZ 7	138.00	383	JOFFRE 7	138.00	56	66210.9	154	-73.4	-73.1	-71.6	0.00343
148	GAETZ 7	138.00	383	JOFFRE 7	138.00	93	66226.1	154	-73.4	-73.0	-71.6	0.00343
118	RED DE B	138.00	780	SYLV_138	138.00	1	81732.8	128	20.7	20.9	21.4	0.00131
99	BENALTO7	138.00	780	SYLV_138	138.00	1	91425.3	128	-8.7	-8.8	-9.3	-0.00131
148	GAETZ 7	138.00	384	UC PRENT	138.00	59	93646.5	154	-18.8	-18.6	-17.8	0.00184
95	PONOKA 7	138.00	192	NELSON L	138.00	1	>99999.	96	6.8	6.8	6.8	0.00000
97	ECKVILL7	138.00	956	758L JCT	138.00	58	>99999.	85	-8.8	-8.8	-8.8	0.00000
98	RIMBEY 7	138.00	956	758L JCT	138.00	57	>99999.	85	-12.7	-12.7	-12.7	0.00000
99	BENALTO7	138.00	956	758L JCT	138.00	57	>99999.	85	21.6	21.6	21.6	0.00000
114	LACOMBE7	138.00	116	W LACOMB	138.00	80	>99999.	75	-6.9	-6.9	-6.9	0.00000
119	N RED D7	138.00	148	GAETZ 7	138.00	68	>99999.	180	-147.6	-147.5	-147.4	0.00023
122	MADDEN 7	138.00	982	MADDEN T	138.00	89	>99999.	75	-13.4	-13.4	-13.4	0.00000
124	HARMATT7	138.00	97619	HGF1	138.00	01	>99999.	174	0.5	0.5	0.5	0.00000
126	SHELL H7	138.00	957	166L JNC	138.00	66	>99999.	85	-4.2	-4.2	-4.2	0.00000
142	KINGMAN7	138.00	946	KING TAP	138.00	32	>99999.	86	0.0	0.0	0.0	0.00000
152	RED DEE4	240.00	93700	RED DEER LUM	34.500	1	>99999.	1000	-1.2	-1.2	-1.2	0.00000
205	AMOCO R7	138.00	257	LIMESTO7	138.00	64	>99999.	121	22.1	22.1	22.1	0.00000
205	AMOCO R7	138.00	890	AMOCO TP	138.00	19	>99999.	121	-27.6	-27.6	-27.6	0.00000
354	NOVA C17	138.00	383	JOFFRE 7	138.00	1	>99999.	327	135.4	135.4	135.4	0.00000
355	NOVA C27	138.00	383	JOFFRE 7	138.00	2	>99999.	327	262.9	262.9	262.9	0.00000
382	SHELL RA	138.00	881	RAVEN TP	138.00	19	>99999.	121	-5.1	-5.1	-5.1	0.00000
383	JOFFRE 7	138.00	384	UC PRENT	138.00	75	>99999.	154	51.9	51.8	51.4	-0.00093

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383 JOFFRE 7	138.00	398 BROOKFLD	138.00	89 >99999.	125	3.1	3.1	3.1	0.00000
383 JOFFRE 7	138.00	975 COMINTAP	138.00	84 >99999.	154	55.3	55.2	54.8	-0.00092
384 UC PRENT	138.00	388 ELLIS 7	138.00	74 >99999.	154	-40.1	-40.0	-39.6	0.00092
385 SHELL SC	138.00	882 SCHRA TP	138.00	48 >99999.	121	-17.2	-17.2	-17.2	0.00000
386 SHELL EA	138.00	883 EAGLE TP	138.00	19 >99999.	121	-13.1	-13.1	-13.1	0.00000
387 COMINC07	138.00	975 COMINTAP	138.00	84 >99999.	101	-3.6	-3.6	-3.6	0.00000
388 ELLIS 7	138.00	975 COMINTAP	138.00	84 >99999.	154	-51.4	-51.3	-50.9	0.00092
440 TRUE WEL	138.00	899 TRUE W T	138.00	29 >99999.	98	0.0	0.0	0.0	0.00000

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, AUG 30 2010 7:51
 2012 S3_SOK_PK PAGE 2
 2012 SUMMER PEAK CASE

CONTINGENCY SINGLE 56:
 OPEN LINE FROM BUS 119 [N RED D7 138.00] TO BUS 148 [GAETZ 7 138.00] CKT 68

INSOLUBLE CASE: UNABLE TO RELIEVE PRE-SHIFT SOLUTION OVERLOADS
 WITHOUT CAUSING ADDITIONAL OVERLOADING

CONTINGENCY SINGLE 85:
 OPEN LINE FROM BUS 383 [JOFFRE 7 138.00] TO BUS 664 [PIPER CR 138.00] CKT 55

INSOLUBLE CASE: UNABLE TO RELIEVE PRE-SHIFT SOLUTION OVERLOADS
 WITHOUT CAUSING ADDITIONAL OVERLOADING

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E MON, AUG 30 2010 7:51
 2012 S3_SOK_PK PAGE 3
 2012 SUMMER PEAK CASE
 *** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

SOLUTION OF 90 SYSTEM CONDITIONS ATTEMPTED 2 INSOLUBLE SYSTEM CONDITIONS

INCR.	TRANS	<-----	LIMITING ELEMENT	>----->	DISTR.	PRE- SHIFT	RATING	
CAPAB	<-----	F R O M	>----->	T O	>CKT	FACTOR	MW	A/A <----->
CONTINGENCY DESCRIPTION	<----->							
-5881.4	119 N RED D7	138.00	148 GAETZ 7	138.00	68	-0.00560	-213.0	180.0 OPEN 383 [JOFFRE 7
138.00]	TO 664 [PIPER CR	138.00]	CKT 55					
-4565.1	383 JOFFRE 7	138.00	664 PIPER CR	138.00	55	0.00862	159.3	120.0 OPEN 119 [N RED D7
138.00]	TO 148 [GAETZ 7	138.00]	CKT 68					
-1866.3	119 N RED D7	138.00	148 GAETZ 7	138.00	68	-0.00560	-190.5	180.0 OPEN 118 [RED DE B
138.00]	TO 664 [PIPER CR	138.00]	CKT 55					
-1169.6	119 N RED D7	138.00	148 GAETZ 7	138.00	68	-0.06309	-253.8	180.0 OPEN 147 [GAETZ 4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14					
-1002.4	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04417	-165.3	121.0 OPEN 383 [JOFFRE 7

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138.00] TO 664 [PIPER CR	138.00] CKT 55						
-823.5 115 S RED DE	138.00 119 N RED D7	138.00	80	-0.09907	-202.6	121.0	OPEN 147 [GAETZ 4
240.00] TO 152 [RED DEE4	240.00] CKT 14						
-785.7 383 JOFFRE 7	138.00 664 PIPER CR	138.00	55	0.02455	139.3	120.0	OPEN 115 [S RED DE
138.00] TO 119 [N RED D7	138.00] CKT 80						
-686.6 117 RED DE A	138.00 118 RED DE B	138.00	1	0.03618	145.8	121.0	OPEN 383 [JOFFRE 7
138.00] TO 664 [PIPER CR	138.00] CKT 55						
-663.6 118 RED DE B	138.00 664 PIPER CR	138.00	55	-0.00862	-125.7	120.0	OPEN 119 [N RED D7
138.00] TO 148 [GAETZ 7	138.00] CKT 68						
-560.6 383 JOFFRE 7	138.00 664 PIPER CR	138.00	55	0.03303	138.5	120.0	OPEN 147 [GAETZ 4
240.00] TO 152 [RED DEE4	240.00] CKT 14						
-500.4 115 S RED DE	138.00 119 N RED D7	138.00	80	-0.04417	-143.1	121.0	OPEN 118 [RED DE B
138.00] TO 664 [PIPER CR	138.00] CKT 55						
-475.6 117 RED DE A	138.00 118 RED DE B	138.00	1	0.03721	138.7	121.0	OPEN 155 [BENALTO4
240.00] TO 99 [BENALTO7	138.00] CKT T2						
-339.9 115 S RED DE	138.00 119 N RED D7	138.00	80	-0.04234	-135.4	121.0	OPEN 155 [BENALTO4
240.00] TO 99 [BENALTO7	138.00] CKT T2						
-255.9 120 INNISFA7	138.00 121 OLDS 7	138.00	80	0.03713	131.5	122.0	OPEN 107 [SUNDRE 7
138.00] TO 370 [SHELL C7	138.00] CKT 19						
-241.1 383 JOFFRE 7	138.00 664 PIPER CR	138.00	55	0.02455	125.9	120.0	OPEN 115 [S RED DE
138.00] TO 117 [RED DE A	138.00] CKT 80						
-227.7* 383 JOFFRE 7	138.00 664 PIPER CR	138.00	55	0.02013	124.6	120.0	OPEN 117 [RED DE A
138.00] TO 118 [RED DE B	138.00] CKT 1						
-197.8 68 N HOLDE7	138.00 65 BARDO 7	138.00	74	-0.02049	-89.1	85.0	

							OPEN 152 [RED DEE4
240.00] TO 1422 [NEVIS 4	240.00] CKT 12						
-170.8 374 BIGSTON7	138.00 804 803/804X	138.00	04	0.03973	132.8	126.0	OPEN 147 [GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14						
-158.4 93 WETASKI7	138.00 803 803/804N	138.00	04	-0.03973	-132.3	126.0	OPEN 147 [GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14						
-151.8 118 RED DE B	138.00 780 SYLV_138	138.00	1	0.01369	130.1	128.0	OPEN 155 [BENALTO4
240.00] TO 99 [BENALTO7	138.00] CKT T2						
-2.8 101 COOKING7	138.00 65 BARDO 7	138.00	74	0.01969	85.1	85.0	OPEN 93 [WETASKI7
138.00] TO 899 [TRUE W T	138.00] CKT 29						
8.3 101 COOKING7	138.00 65 BARDO 7	138.00	74	0.01969	84.8	85.0	OPEN 94 [ERVICK 7
138.00] TO 899 [TRUE W T	138.00] CKT 29						
37.0 120 INNISFA7	138.00 121 OLDS 7	138.00	80	0.03113	120.8	122.0	OPEN 99 [BENALTO7
138.00] TO 882 [SCHRA TP	138.00] CKT 48						
38.9 115 S RED DE	138.00 117 RED DE A	138.00	80	0.09907	170.1	174.0	OPEN 147 [GAETZ 4
240.00] TO 152 [RED DEE4	240.00] CKT 14						
44.0 117 RED DE A	138.00 118 RED DE B	138.00	1	0.03618	119.4	121.0	OPEN 118 [RED DE B
138.00] TO 664 [PIPER CR	138.00] CKT 55						
58.5 99 BENALTO7	138.00 155 BENALTO4	240.00	T2	-0.02932	-198.3	200.0	OPEN 152 [RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00						
82.6 152 RED DEE4	240.00 155 BENALTO4	240.00	00	-0.17179	-451.8	466.0	OPEN 155 [BENALTO4
240.00] TO 187 [BEDDING1	240.00] CKT 18						
87.4 152 RED DEE4	240.00 155 BENALTO4	240.00	00	-0.14203	-453.6	466.0	OPEN 152 [RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10						

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119.8	117 RED DE A	138.00	118 RED DE B	138.00	1	0.05629	114.3	121.0	OPEN	147	[GAETZ	4
240.00]	TO 152 [RED DEE4	240.00]	CKT 14									
138.2	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.02436	81.6	85.0				

											OPEN 152 [RED DEE4	
240.00]	TO 1422 [NEVIS 4	240.00]	CKT 12									
162.4*	115 S RED DE	138.00	119 N RED D7	138.00	80	-0.04422	-113.8	121.0	OPEN	155	[BENALTO4	
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26									
174.6	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.02925	-114.9	120.0	OPEN	118	[RED DE B	
138.00]	TO 120 [INNISFA7	138.00]	CKT 80									
193.2	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.12229	-442.4	466.0	OPEN	155	[BENALTO4	
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06									
198.0	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.12229	-441.8	466.0	OPEN	155	[BENALTO4	
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28									
234.9	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03113	114.7	122.0	OPEN	370	[SHELL C7	
138.00]	TO 882 [SCHRA TP	138.00]	CKT 48									
235.0	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.18817	-421.8	466.0	OPEN	155	[BENALTO4	
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22									
235.0	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.18817	421.8	466.0	OPEN	155	[BENALTO4	
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22									
239.1	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.18794	421.1	466.0	OPEN	155	[BENALTO4	
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26									
239.1	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.18794	-421.1	466.0	OPEN	155	[BENALTO4	
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26									
274.1	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.02900	77.1	85.0	OPEN	152	[RED DEE4	
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10									
275.7	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.25840	345.8	417.0	OPEN	155	[BENALTO4	
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06									
276.0	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.03713	111.8	122.0	OPEN	107	[SUNDRE 7	
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19									
276.8	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.25839	345.5	417.0	OPEN	155	[BENALTO4	
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28									
278.3	128 ELLERSLI	240.00	81 BIGSTON4	240.00	14	0.20004	425.3	481.0	OPEN	152	[RED DEE4	
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10									
284.3*	101 COOKING7	138.00	65 BARDO 7	138.00	74	0.02404	78.2	85.0	OPEN	374	[BIGSTON7	
138.00]	TO 804 [803/804X	138.00]	CKT 04									
311.8*	152 RED DEE4	240.00	155 BENALTO4	240.00	00	-0.13555	-423.7	466.0	OPEN	147	[GAETZ 4	
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14									
313.9	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.24612	339.7	417.0	OPEN	152	[RED DEE4	
240.00]	TO 155 [BENALTO4	240.00]	CKT 00									
356.0	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.25582	325.9	417.0	OPEN	152	[RED DEE4	
240.00]	TO 988 [CROSSF T	240.00]	CKT 01									
391.2*	155 BENALTO4	240.00	187 BEDDING1	240.00	18	0.25078	318.9	417.0	OPEN	152	[RED DEE4	
240.00]	TO 160 [JANET 4	240.00]	CKT 29									
395.5	119 N RED D7	138.00	148 GAETZ 7	138.00	68	-0.01928	-172.4	180.0	OPEN	93	[WETASKI7	
138.00]	TO 95 [PONOKA 7	138.00]	CKT 16									
452.4*	120 INNISFA7	138.00	121 OLDS 7	138.00	80	0.02857	109.1	122.0	OPEN	104	[STRACHA7	
138.00]	TO 890 [AMOCO TP	138.00]	CKT 19									
457.4	118 RED DE B	138.00	664 PIPER CR	138.00	55	-0.03303	-104.9	120.0	OPEN	147	[GAETZ 4	

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240.00] TO 152 [RED DEE4	240.00] CKT 14								
459.9 420 KEEPHIL4	240.00 155 BENALTO4	240.00	90	0.16439	390.4	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPHIL4	240.00] CKT 03								
459.9 155 BENALTO4	240.00 420 KEEPHIL4	240.00	90	-0.16439	-390.4	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPHIL4	240.00] CKT 03								
468.0 121 OLDS 7	138.00 123 DIDSBUY	138.00	80	0.03713	104.6	122.0	OPEN	107	[SUNDRE 7
138.00] TO 370 [SHELL C7	138.00] CKT 19								
468.3 118 RED DE B	138.00 120 INNISFA7	138.00	80	0.03713	154.6	172.0	OPEN	107	[SUNDRE 7
138.00] TO 370 [SHELL C7	138.00] CKT 19								
476.2 155 BENALTO4	240.00 420 KEEPHIL4	240.00	03	-0.16345	-388.2	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPHIL4	240.00] CKT 90								
476.2 420 KEEPHIL4	240.00 155 BENALTO4	240.00	03	0.16345	388.2	466.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPHIL4	240.00] CKT 90								
517.9 155 BENALTO4	240.00 161 SARCEE 4	240.00	06	0.15658	367.9	449.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 28								
521.4 68 N HOLDE7	138.00 65 BARDO 7	138.00	74	-0.02544	-71.7	85.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
525.3 155 BENALTO4	240.00 161 SARCEE 4	240.00	28	0.15657	366.8	449.0	OPEN	155	[BENALTO4
240.00] TO 161 [SARCEE 4	240.00] CKT 06								
528.4 107 SUNDRE 7	138.00 370 SHELL C7	138.00	19	-0.02925	-104.5	120.0	OPEN	120	[INNISFA7
138.00] TO 121 [OLDS 7	138.00] CKT 80								
541.9 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.16543	391.3	481.0	OPEN	152	[RED DEE4
240.00] TO 155 [BENALTO4	240.00] CKT 00								
551.2 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.17357	385.3	481.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 26								
552.1 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.17352	385.2	481.0	OPEN	155	[BENALTO4
240.00] TO 135 [SUNDANC4	240.00] CKT 22								
573.9 155 BENALTO4	240.00 161 SARCEE 4	240.00	06	0.17152	350.6	449.0	OPEN	155	[BENALTO4
240.00] TO 187 [BEDDING1	240.00] CKT 18								
576.2* 128 ELLERSLI	240.00 81 BIGSTON4	240.00	14	0.17122	382.3	481.0	OPEN	155	[BENALTO4
240.00] TO 420 [KEEPHIL4	240.00] CKT 90								
583.1 155 BENALTO4	240.00 161 SARCEE 4	240.00	28	0.17150	349.0	449.0	OPEN	155	[BENALTO4
240.00] TO 187 [BEDDING1	240.00] CKT 18								
583.8 118 RED DE B	138.00 664 PIPER CR	138.00	55	-0.02455	-105.7	120.0	OPEN	115	[S RED DE
138.00] TO 119 [N RED D7	138.00] CKT 80								
594.3 128 ELLERSLI	240.00 152 RED DEE4	240.00	10	0.19825	348.2	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
594.3 152 RED DEE4	240.00 128 ELLERSLI	240.00	10	-0.19825	-348.2	466.0	OPEN	147	[GAETZ 4
240.00] TO 81 [BIGSTON4	240.00] CKT 14								
619.2 152 RED DEE4	240.00 988 CROSSF T	240.00	01	0.18436	293.8	408.0	OPEN	155	[BENALTO4
240.00] TO 187 [BEDDING1	240.00] CKT 18								
630.4 155 BENALTO4	240.00 135 SUNDANC4	240.00	26	-0.16535	-361.8	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
630.4 135 SUNDANC4	240.00 155 BENALTO4	240.00	26	0.16535	361.8	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
637.1 155 BENALTO4	240.00 135 SUNDANC4	240.00	22	-0.16506	-360.8	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								
637.1 135 SUNDANC4	240.00 155 BENALTO4	240.00	22	0.16506	360.8	466.0	OPEN	152	[RED DEE4
240.00] TO 128 [ELLERSLI	240.00] CKT 10								

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658.9	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.15992	360.6	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90								
658.9	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.15992	-360.6	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90								
662.4	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.15973	360.2	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 03								
662.4	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.15973	-360.2	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 03								
663.1	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.17209	293.9	408.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
663.3	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.17208	293.9	408.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 25								
665.9	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.15964	359.7	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90								
665.9	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.15964	-359.7	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 90								
669.3	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.15945	-359.3	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 03								
669.3	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.15945	359.3	466.0	OPEN	155	[BENALTO4
240.00]	TO 420 [KEEPHIL4	240.00]	CKT 03								
682.2*	135 SUNDANC4	240.00	155 BENALTO4	240.00	26	0.16437	353.9	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
682.2*	155 BENALTO4	240.00	135 SUNDANC4	240.00	26	-0.16437	-353.9	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
682.3	93 WETASKI7	138.00	95 PONOKA 7	138.00	16	0.05977	81.2	122.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
688.9*	135 SUNDANC4	240.00	155 BENALTO4	240.00	22	0.16408	353.0	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
688.9*	155 BENALTO4	240.00	135 SUNDANC4	240.00	22	-0.16408	-353.0	466.0	OPEN	147	[GAETZ 4
240.00]	TO 81 [BIGSTON4	240.00]	CKT 14								
692.0	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.02279	-69.2	85.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
730.8	99 BENALTO7	138.00	780 SYLV_138	138.00	1	-0.01368	-118.0	128.0	OPEN	155	[BENALTO4
240.00]	TO 99 [BENALTO7	138.00]	CKT T2								
739.4	123 DIDSBUY	138.00	982 MADDEN T	138.00	80	0.05718	79.7	122.0	OPEN	155	[BENALTO4
240.00]	TO 187 [BEDDING1	240.00]	CKT 18								
750.5	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.16221	286.3	408.0	OPEN	155	[BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 06								
751.9	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.16879	-339.1	466.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
751.9	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.16879	339.1	466.0	OPEN	152	[RED DEE4
240.00]	TO 155 [BENALTO4	240.00]	CKT 00								
751.9*	152 RED DEE4	240.00	988 CROSSF T	240.00	01	0.16221	286.0	408.0	OPEN	155	[BENALTO4
240.00]	TO 161 [SARCEE 4	240.00]	CKT 28								
770.8	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17657	-329.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
770.8	128 ELLERSLI	240.00	152 RED DEE4	240.00	10	0.17657	329.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
771.8	152 RED DEE4	240.00	128 ELLERSLI	240.00	10	-0.17653	-329.8	466.0	OPEN	155	[BENALTO4

[illegible]

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932.9	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.14165	-333.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
932.9	420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	0.14165	333.9	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
933.6*	155 BENALTO4	240.00	161 SARCEE 4	240.00	28	0.13981	318.5	449.0	OPEN	152	[RED DEE4
240.00]	TO 160 [JANET 4	240.00]	CKT 29								
939.6	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00812	21.4	29.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
940.0	107 SUNDRE 7	138.00	370 SHELL C7	138.00	19	-0.02925	-92.5	120.0	OPEN	121	[OLDS 7
138.00]	TO 123 [DIDSBUY	138.00]	CKT 80								
941.7	25 ENTWIST8	69.000	28 MOON LA8	69.000	29	0.00812	21.4	29.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
949.3	155 BENALTO4	240.00	420 KEEPHIL4	240.00	90	-0.14366	-329.6	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
949.3	420 KEEPHIL4	240.00	155 BENALTO4	240.00	90	0.14366	329.6	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
951.0*	68 N HOLDE7	138.00	65 BARDO 7	138.00	74	-0.02027	-65.7	85.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
960.3	155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	-0.14047	-331.1	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
960.3	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.14047	331.1	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 26								
961.5	155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	-0.14042	-331.0	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
961.5	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.14042	331.0	466.0	OPEN	155	[BENALTO4
240.00]	TO 135 [SUNDANC4	240.00]	CKT 22								
977.6	155 BENALTO4	240.00	420 KEEPHIL4	240.00	03	-0.14241	-326.8	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
977.6	420 KEEPHIL4	240.00	155 BENALTO4	240.00	03	0.14241	326.8	466.0	OPEN	152	[RED DEE4
240.00]	TO 128 [ELLERSLI	240.00]	CKT 10								
999.8	121 OLDS 7	138.00	123 DIDSBUY	138.00	80	0.03713	84.9	122.0	OPEN	107	[SUNDRE 7
138.00]	TO 883 [EAGLE TP	138.00]	CKT 19								

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 2012 S3_SOK_PK PAGE 4
 2012 SUMMER PEAK CASE
 *** TLTG EXPORT LIMIT OUTPUT FOR SUBSYSTEM N-OF-SOK ***

* MONITORED ELEMENTS OCCURRING 5 OR MORE TIMES

NO.	<----- MONITORED ELEMENT ----->
TIMES	<----- F R O M -----> <----- T O -----> CKT
51	115 S RED DE 138.00 119 N RED D7 138.00 80
44	128 ELLERSLI 240.00 81 BIGSTON4 240.00 14
37	155 BENALTO4 240.00 187 BEDDING1 240.00 18
31	120 INNISFA7 138.00 121 OLDS 7 138.00 80
22	155 BENALTO4 240.00 135 SUNDANC4 240.00 26

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22	135	SUNDANC4	240.00	155	BENALT04 240.00 26
22	101	COOKING7	138.00	65	BARDO 7 138.00 74
21	155	BENALT04	240.00	135	SUNDANC4 240.00 22
21	135	SUNDANC4	240.00	155	BENALT04 240.00 22
8	68	N HOLDE7	138.00	65	BARDO 7 138.00 74
7	152	RED DEE4	240.00	128	ELLERSLI 240.00 10
7	152	RED DEE4	240.00	155	BENALT04 240.00 00
7	128	ELLERSLI	240.00	152	RED DEE4 240.00 10
6	152	RED DEE4	240.00	988	CROSSF T 240.00 01
6	155	BENALT04	240.00	161	SARCEE 4 240.00 06
6	155	BENALT04	240.00	161	SARCEE 4 240.00 28
6	383	JOFFRE 7	138.00	664	PIPER CR 138.00 55
6	123	DIDSBURY	138.00	982	MADDEN T 138.00 80